SURROUND SOUND RECEIVER

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SERVICE SAFETY PRECAUTIONS

1. Replacing the fuses

CAUTION: FOR CONTINUED PROTECTION AGAINST THE RISK OF FIRE REPLACE ONLY WITH SAME TYPE OF FUSE.

Reference No		Part Number	Description		
M271	*C	\triangle	5120-0024-0	3.15A TIME-LAG 5x20 VDE-SEMKO	

NOTE:

<*AH > : USA, CANADIAN MODEL ONLY. <*C > : EUROPEAN MODEL ONLY.

2. Safety check out

(Only U.S.A. model)

Before returning the product to the customer, make leakage current or resistance measurements to determine that exposed parts are acceptably insulated from the supply circuit.

Parts marked with the symbol \triangle are critical with regard to the risk of fire and electric shock. Replace only with parts recommended by the manufacturer.

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SPECIFICATIONS

		ION (all channels stated 8 ohms)	0.000/
Rated distortion	(THD 20Hz-20 kHz FL/C/FR	()	≤ 0.08%
Input Sensitivity	(THD 20Hz-20 kHz SL/SR) (ref. 8 ohms, 1 kHz)		≤ 0.3% 180+/-30 mV
S/N Ratio	(A-wtd, 1KHz, 1W, 8 ohm)		≥ -78 dB
S/IN Natio	(A-wtd, 1KHz, 80W, 8 ohm)	FL/FR/C	≥ -76 dB ≥ 92 dB
	(A-wtd, TKHZ, 80VV, 8 OHIII)	SL/SR	≥ -90 dB
Frequency Response		(20 Hz - 20 kHz)	0 ± 0.8 dB
Channel Balance		(1 dB to -40 dB, 1 kHz)	≤ 2 dB
Onamio Balario		(-41 dB to -50 dB, 1 kHz)	≤ 3 dB
Audio muting at 1kHz		(≥ 53 dB
•	%, 600 ohm load, CD in 500	mV, 1 kHz	≥ 10V
Subwoofer out, 500m		(THD at 2V O/P, 100 Hz)	≥ 0.5 %
		(S/N at 2V O/P, 100 Hz)	≥ 80 dB
Crosstalk	(2V input, 10W, 1 kHz)		> -68 dB
Continuous average p	ower output (L/R/C RL/RR 8	ohms)	50 W
Controls			
Bass	(at 500mV in, 1W out, 100 h		± 9 dB
Treble	(at 500mV in, 1W out, 10 kF	Hz)	± 9 dB
SURROUND SECTIO	N		
Channel separation	14		
I/p mode : L, R	: 1V in, 1 kHz, Ch R, L		≥ 45 dB
1/p 111000 : L, 11	: o/p at unexpected, 1 kHz,	Ch C	≥ 35 dB
I/p mode : L= -R	: 1V in, 1 kHz, Ch R, L		≥ 28 dB
"P	: o/p at unexpected, 1 kHz,	Ch C	≥ 30 dB
I/p mode : L= R	: 1V in, 1 kHz, Ch R, L		≥ 45 dB
•	: o/p at unexpected, 1 kHz,	Ch SL, SR	≥ 30 dB
Frequency Response	9		
I/p mode : L, R	: 1V in, 1W, Ch R, L	40Hz	$0 \pm 1.5 dB$
		20kHz	$0 \pm 1.5 dB$
I/p mode : L= R	: 1V in, 1W, Ch C	300Hz	$0 \pm 0.8 dB$
		20kHz	0 ± 0.8 dB
I/p mode : L= -R	: 1V in, 1W, Ch SL, SR	30Hz	0 ± 1.0 dB
O/NID (: / 000)/:	4 4 14/75 / 41 /	6.5kHz	-3 ± 1.0 dB
•	1, A-WTD w/ 1k termination)		CE AD
I/p mode : L, R			≥ 65 dB ≥ 65 dB
I/p mode : L=R I/p mode : L=-R			≥ 65 dB ≥ 65 dB
THD (2.2V in, 1W, w/			≥ 0.3 dB ≤ 0.2%
1110 (2.2 V III, 1 VV, W/	OU MIZ LEF, I MAZ)		≥ U.∠ /0
DTS SECTION			
Frequency Response	e		
FL, FR, C, SL, SR:		200Hz	$0 \pm 0.8 dB$
		20kHz	$0 \pm 0.8 dB$
Distortion 1W all chan	nels		0.08%

AM TUNER SECTION

Input level is expressed as the reading in open-c	ircuit	
of 75-ohm source impedance signal generator		
Usable sensitivity (999/1000kHz)		≤ 30 dBµ
S/N Ratio (5mV in)		≥ 38 dB
THD (5mV in)		≤ 3%
IF Rejection (450 kHz)	≥ 36 dB	
Image Rejection (F+2xIF)		≥ 28 dB
Selectivity		≥ 17 dB
Output		130+/- 20mV
Loop sensitivity (20dB S/N)		
	999/1000 kHz	≤ 66 dB
	603/600 kHz	≤ 66 dB
	1404/1400 kHz	≤ 66 dB
Frequency response (100 - 2.3 kHz, 5mV)		± 6 dB

FM TUNER SECTION		<u>*</u>	<u>°C</u>
Input level is expressed as the r	eading in open-circuit		
of 75-ohm source impedance si	gnal generator		
Usable Sensitivity (98 MHz)		≤	≤ 15 dBµ
Signal / Noise Ratio	Mono	2	≥ 72 dB
(60 dBµ, IHF wtd)	Stereo	2	≥ 66 dB
Frequency Response (20 Hz - 1	5 kHz, 60 dBµ)	(0 ± 1.5 dB
Channel Separation (60 dBµ)	100 Hz	2	≥ 30 dB
	1 kHz	≥	≥ 40 dB
	10 kHz	≥	≥ 30 dB
Alternate Channel Selectivity			
(40 dBµ, ±400 kHz)		≥	≥ 60 dB
Capture Ratio (40 dBµ)		≤	≤ 3 dB
AM Suppression			
(60 dBµ, 100% Mod.FM, 3	80% Mod.AM)		≥ 48 dB
Image Rejection (119.4 MHz)			≥ 68 db
I.F. Rejection (10.7 MHz)			≥ 78 dB
Pilot Suppression (60 dBµ)		2	≥ 60 dB
THD (60 dB μ , L=R 75 kHz for A			
	Mono		≤ 0.25%
	Stereo		≤ 0.35%
Auto-Search Sensitivity	On		≥ 24 dBµ
	Off		≤ 15 dBµ
RDS decode Sensitivity		≤	≤ 26 dBµ

POWER RATING

EUROPEAN Model *C AC 230V~ 50Hz 1.2A USA, CANADIAN Model *AH AC 120V~ 60Hz 2.5A

PHYSICAL SPECIFICATIONS

Dimensions (Width x Height x Depth)

Net weight

Shipping weight

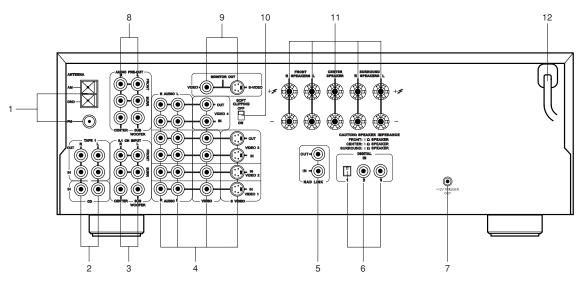
435 x 131 x 348mm

14kg (31 lbs)

16.7kg (37 lbs)

REAR PANEL / FRONT PANEL

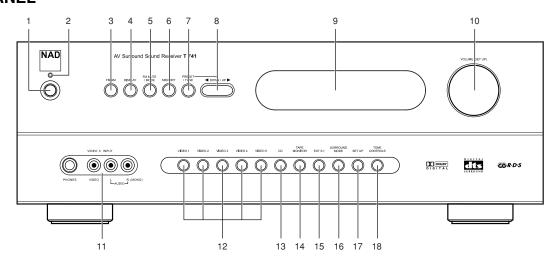
REAR PANEL



- 1. FM & AM ANTENNA
- 2. TAPE 1 & CD INPUTS
- 3. 5.1 CHANNEL INPUT
- 4. VIDEO 1 VIDEO 4 (AUDIO & VIDEO)
- 5. NAD-LINK INPUT / OUTPUT
- 6. DIGITAL AUDIO INPUTS / OUTPUTS
- 7. 12V TRIGGER INPUT

- 8. AUDIO PRE OUTS
- 9. MONITOR OUT
- 10. SOFT CLIPPING
- 11. SPEAKERS: FRONT, CENTER & SURROUND SPEAKERS
- 12. AC POWER CORD

FRONT PANEL

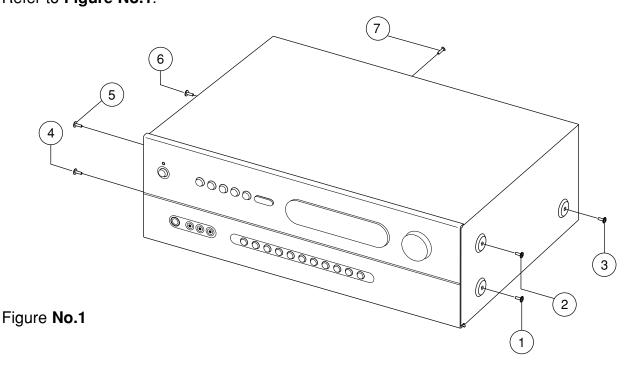


- 1. POWER
- 2. STAND-BY
- 3. AM/FM
- 4. DISPLAY
- 5. FM MUTE / MODE
- 6. MEMORY
- 7. PRESET / TUNE
- 8. DOWN/UP ◀ AND ▶
- 9. VFL DISPLAY

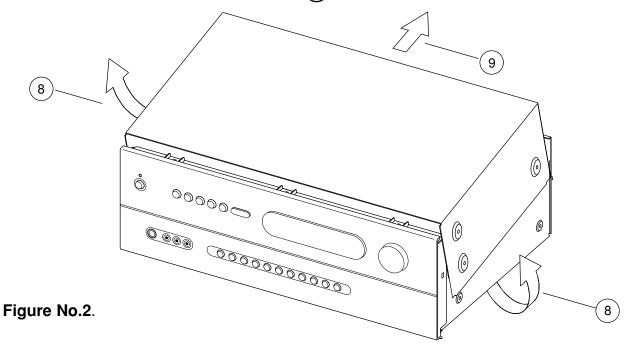
- 10. VOLUME & SETUP
- 11. HEADPHONE SOCKET & VIDEO 5 INPUT
- 12. VIDEO 1 ~ VIDEO 5 INPUT
- 13. CD
- 14. TAPE MONITOR
- 15. EXT. 5.1
- 16. SURROUND MODE
- 17. SET UP
- 18. TONE CONTROLS

DISASSEMBLY INSTRUCTIONS

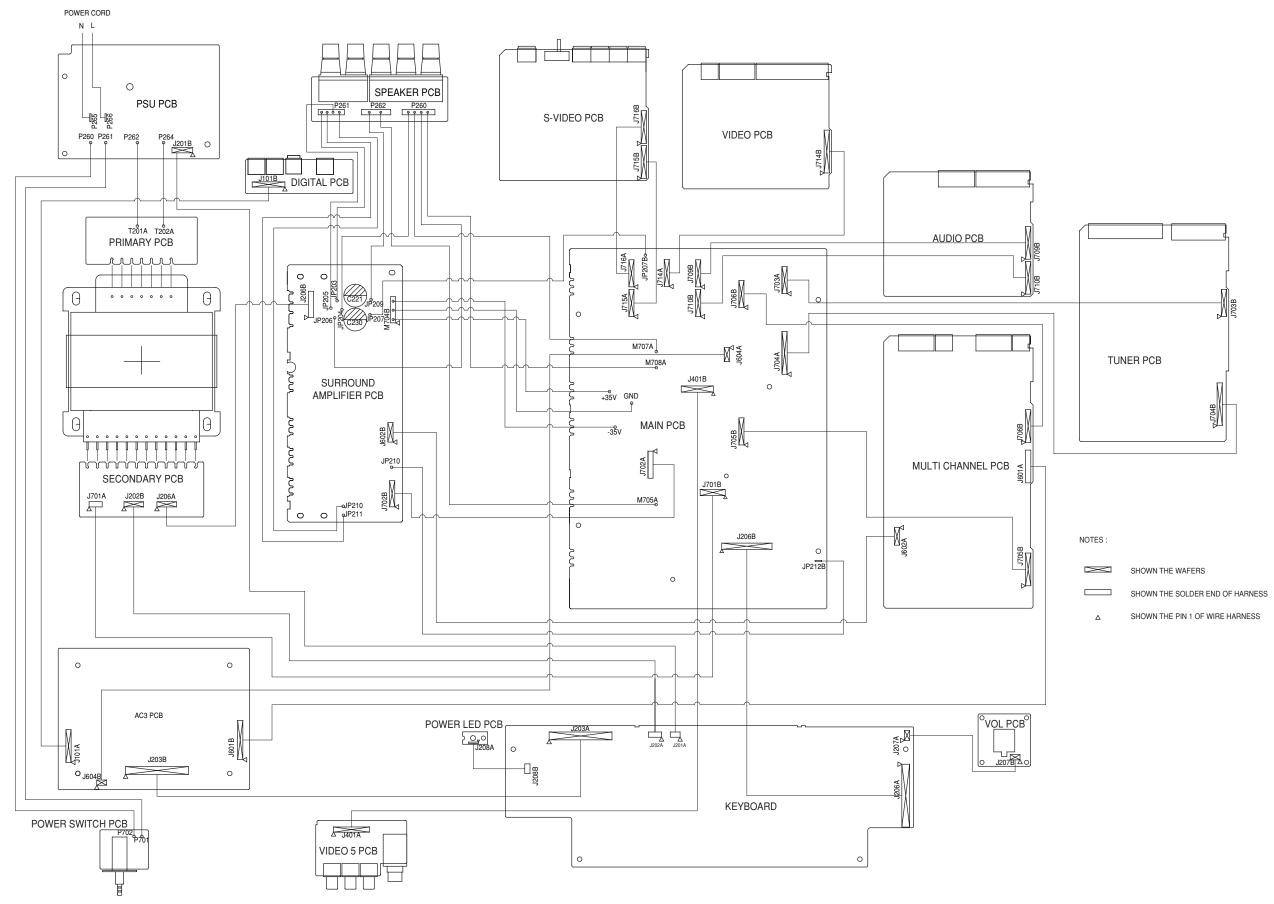
Remove machine screws M 4.0 x 6.0 (1) to 6) from the side panels.
 Remove tapping screw 3.0 x 8.5 (7) from the back panel.
 Refer to Figure No.1.



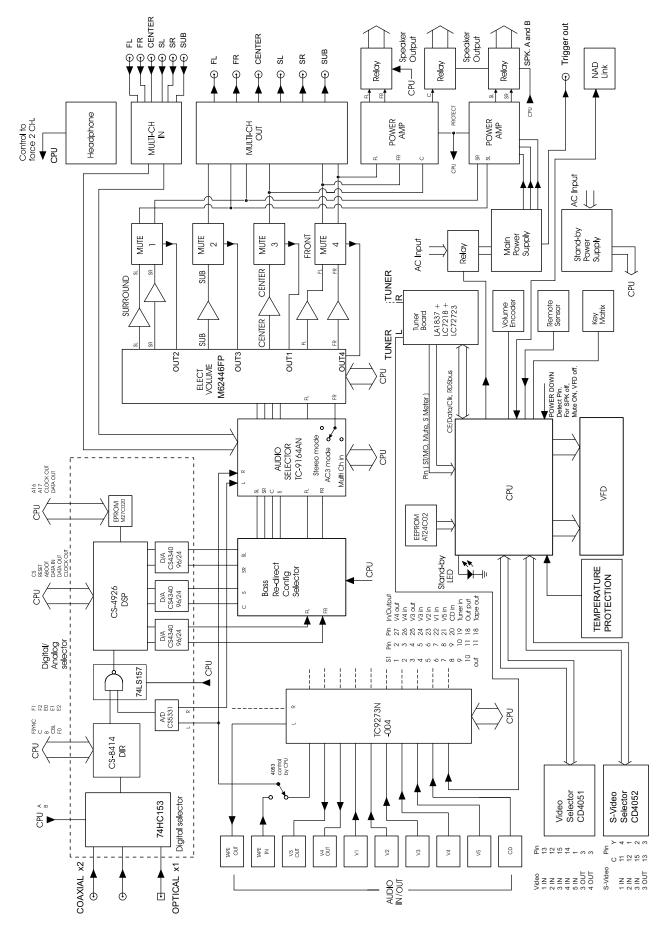
2. Pull both sides of the TOP COVER slightly outwards (8) and tilt approx. 35° and then remove in the direction as indicated by the arrow (9). Refer to **Figure No.2**.



WIRING DIAGRAM

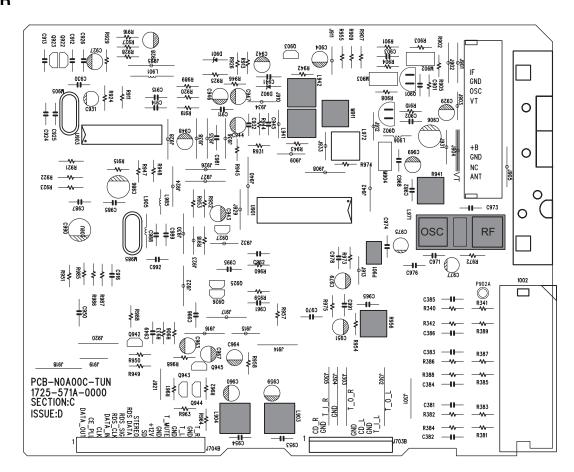


BLOCK DIAGRAM

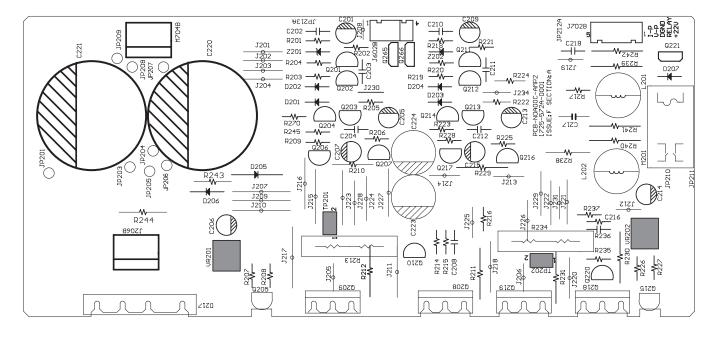


ADJUSTMENT POINTS DIAGRAM

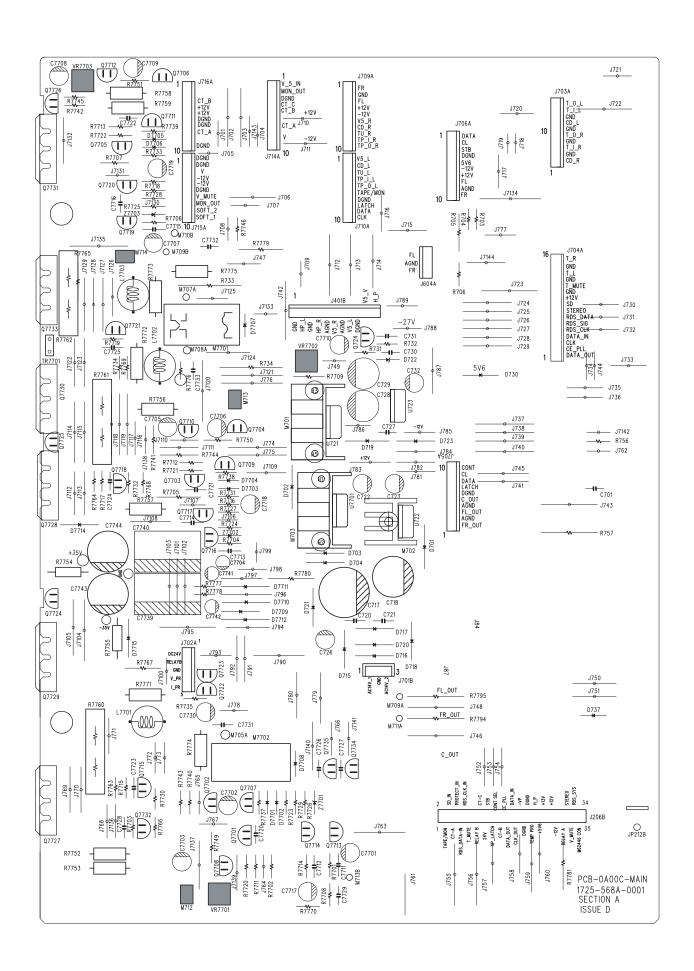
1. TUNER



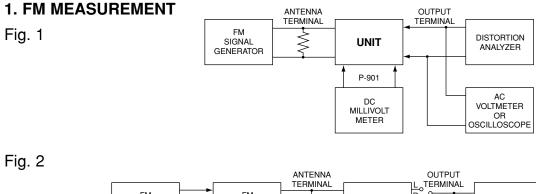
2. IDLE CURRENT - Front Amplifier & Surround Amplifier Board

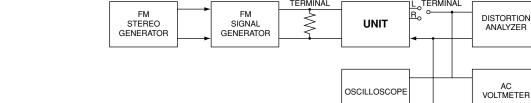


9

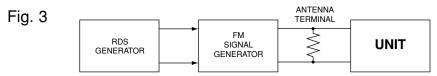


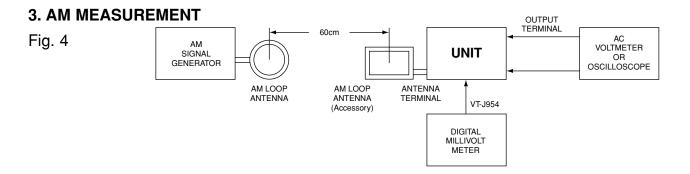
INSTRUMENT SETUP





2. RDS MEASUREMENT





ALIGNMENT PROCEDURES

AMPLIFIER SECTION

Idle Current

Step	Item Connection		Adjustment	Adjust for
1	Front Left Channel Voltmeter to M714 on Main Board		VR7703	1mV±0.2mV
2	Front Right Channel	Voltmeter to M713 on Main Board	VR7702	1mV±0.2mV
3	Center Channel	Voltmeter to M712 on Main Board	VR7701	1mV±0.2mV
4	Rear Left Channel	Voltmeter to TP202 on Surround Amplifier Board (PCB N0A00C-AMP2)	VR202	1mV±0.2mV
5	Rear Right Channel	Voltmeter to TP201 on Surround Amplifier Board (PCB N0A00C-AMP2)	VR201	1mV±0.2mV

FM/RDS SECTION

FM mono: 1kHz, 75kHz devi., 60dB/μV
 FM stereo: 1kHz, 67.5kHz devi., 60dB/μV
 Pilot signal 19kHz 7.5kHz devi.

OUTPUTS

- Connect the non-inductive type resistor of 8 ohms to the all speaker terminals unless otherwise noted.

Item	Step	Connection of instrument	FM SG output	Stereo mod- ulator output	Tuning frequency	Output indicator	Adjustment point	Adjust for	Remarks
	1					DC voltmeter	L941	0±100mV	FM MUTE/MODE
FM IF/RF	2	Fig.1	99.0MHz 1kHz 75kHz devi.	-	99.0MHz	AC voltmeter	IFT on the front end	Maximum	switch: ON/AUTO Repeat the steps 1 to 3 until no fur-
	3		65dBf (60dB)			Distortion analyzer	L942	I N 4::	ther adjustment is necessary.
Stereo Distortion		Fig.2	99.0MHz Ext. mod. 65dBf (60dB)	Channel L or R 1kHz	99.0MHz	Distortion analyzer	IFT on the front end	Minimum	FM MUTE/MODE switch: ON/AUTO Don't turn more than +/-180°
Stereo Separation		Fig.2	99.0MHz Ext. mod. 65dBf (60dB)	Channel L or R 1kHz	99.0MHz	Oscilloscope	R956	separation	Repeat stereo distortion and stereo separation alignment until THD at minimum and separation at maximum.
Muting Level		Fig.1	99.0MHz 18dB	1	99.0MHz	Oscilloscope	R941	Signal output	
RDS		Fig.3	99.0MHz Ext. mod.65dBf(60dB) RDS 2% MOD	-	99.0MHz	-	-	_	Decode the RDS- Program Station.

AM SECTION

AM Modulation: 400Hz, 30%

For AH Version

Step	AM SG output	Tuning frequency	Output indicator	Adjustment point	Adjust for
1	ı	530kHz	Digital DC voltmeter	OSC coil on RF block L971	1.35±0.2V
2	600kHz 400Hz 30% mod. 60dB/m	600kHz	AC voltmeter	RF coil on RF block L971	Maximum
3	600kHz 400Hz 30% mod. 60dB/m	990kHz	AC voltmeter	L972	Maximum

For C Version

Step	AM SG output	Tuning frequency	Output indicator	Adjustment point	Adjust for
1	-	522kHz or 531kHz	Digital DC voltmeter	OSC coil on RF block L971	1.3±0.2V (522kHz) 1.35±0.2V (531kHz)
2	600kHz 400Hz 30% mod. 60dB/m	603kHz	AC voltmeter	RF coil on RF block L971	Maximum
3	600kHz 400Hz 30% mod. 60dB/m	999kHz	AC voltmeter	L972	Maximum

IMPORTANT NOTES

1. Show the software version

Press "FM/AM" and "EXT 5.1".

2. Light up all the icon on the VFL.

Press "FM/AM" and "TONE CONTROL".

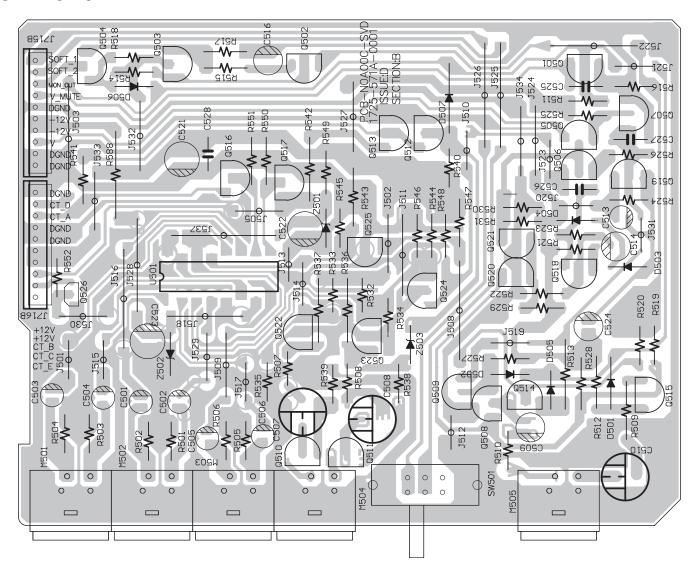
3. Toggle between 9K and 10K

Press "FM/AM" and "CD".

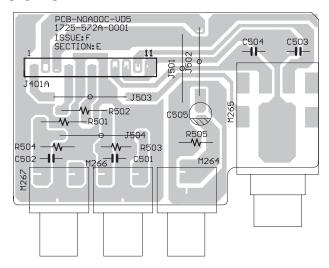
4. Clear all tuner presetsPress "TAPE(MON)" and
"VIDEO 1".

PCB LAYOUT

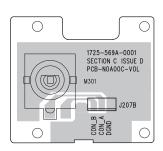
S-VIDEO BOARD



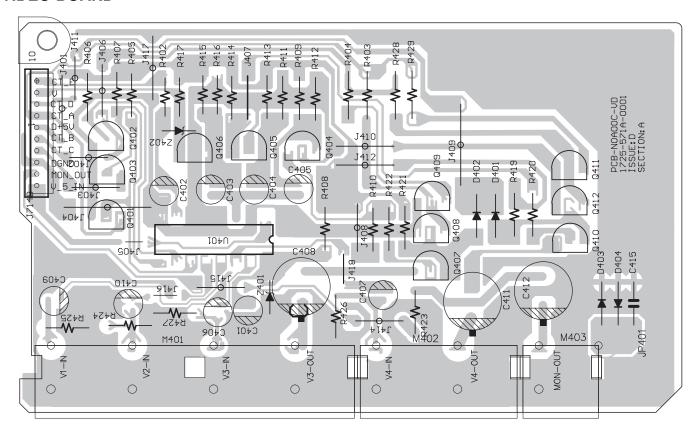
VIDEO-5 BOARD



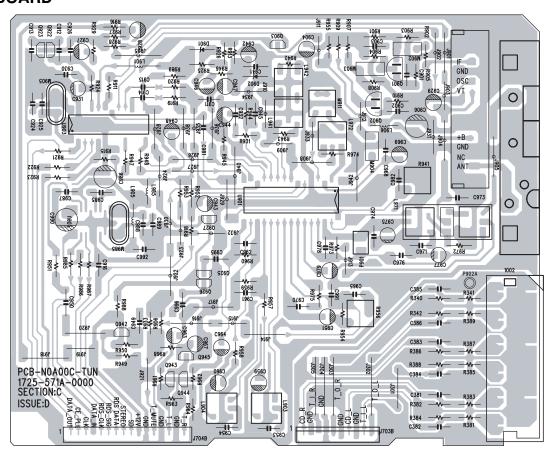
VOLUME BOARD



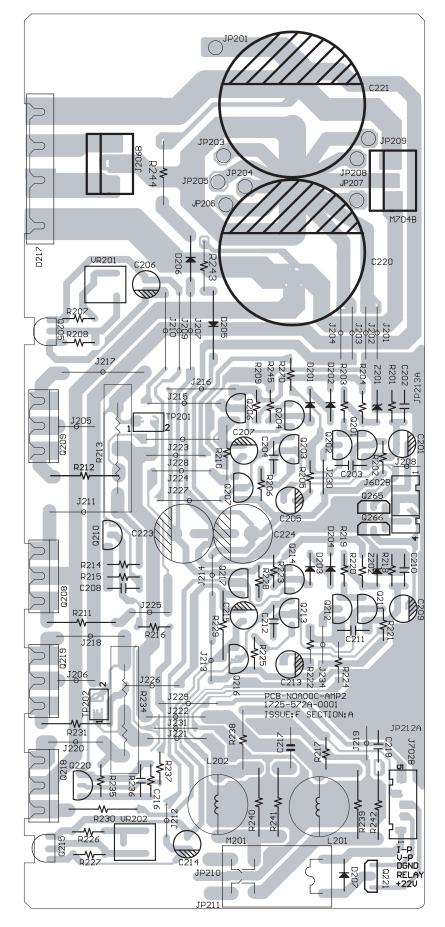
VIDEO BOARD



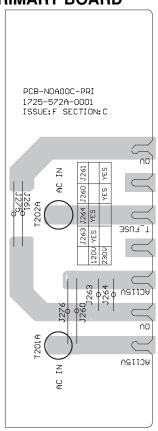
TUNER BOARD



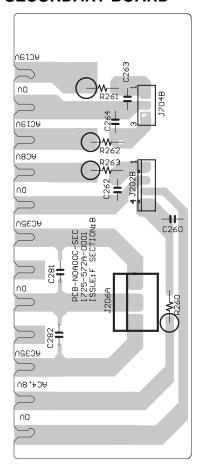
SURROUND AMPLIFIER BOARD



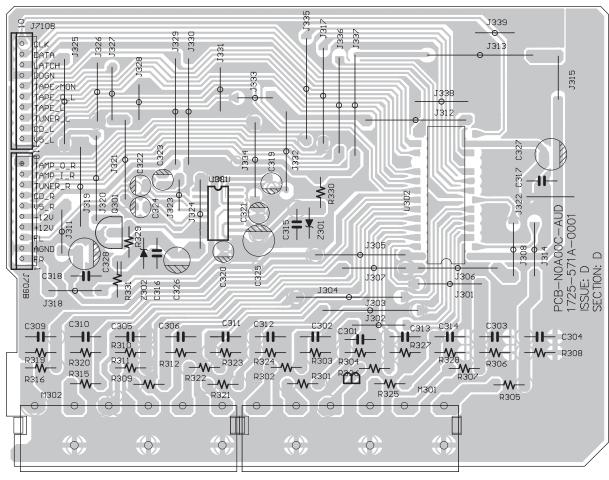
PRIMARY BOARD

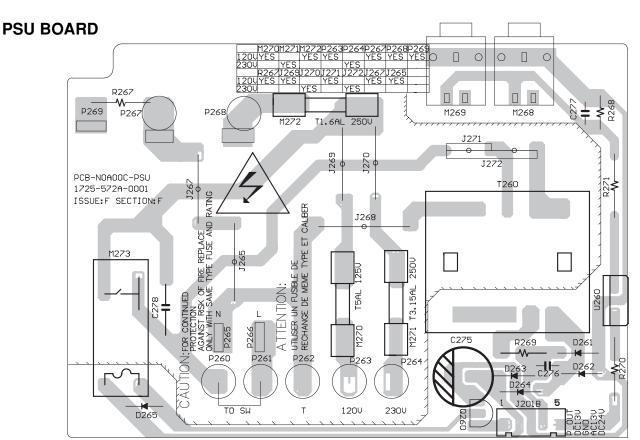


SECONDARY BOARD

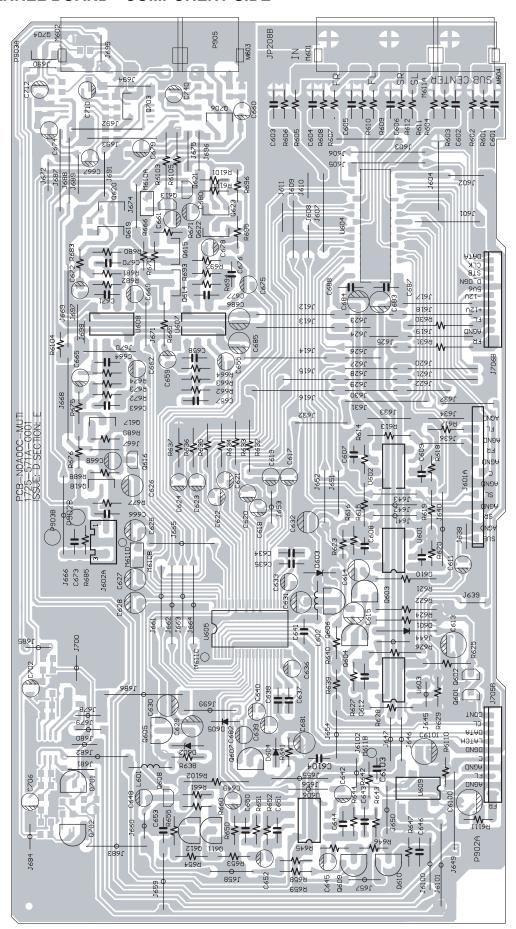


AUDIO BOARD

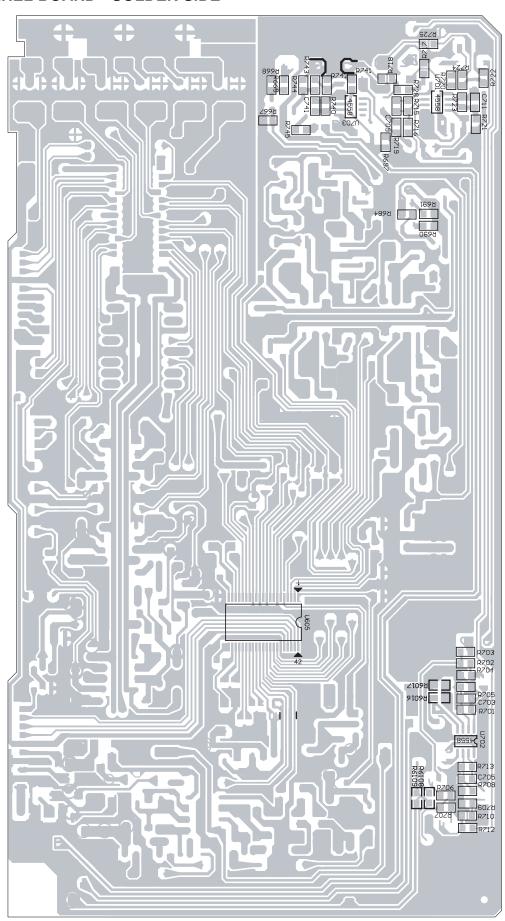




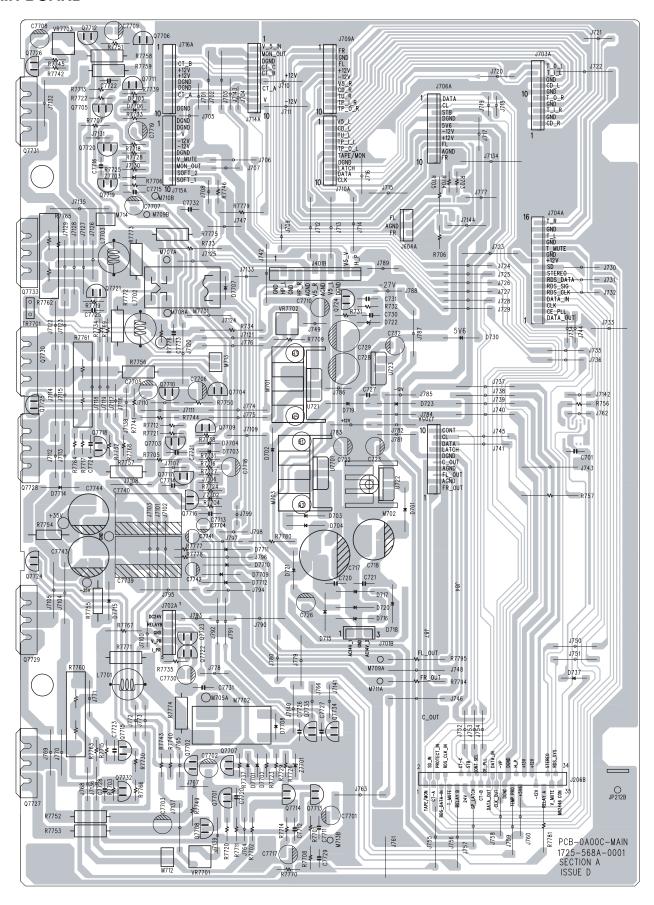
MULTI-CHANNEL BOARD - COMPONENT SIDE



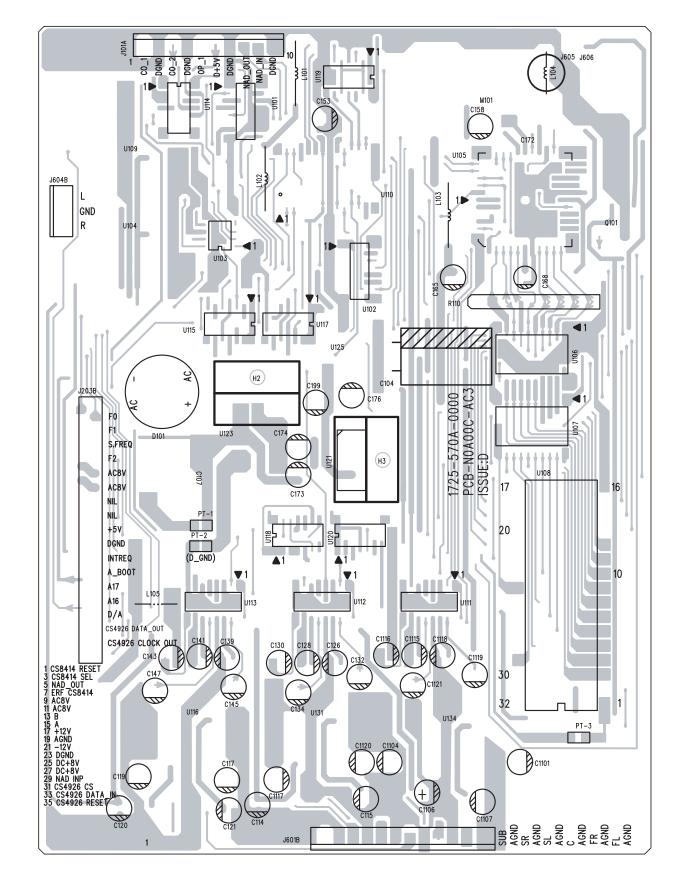
MULTI-CHANNEL BOARD - SOLDER SIDE



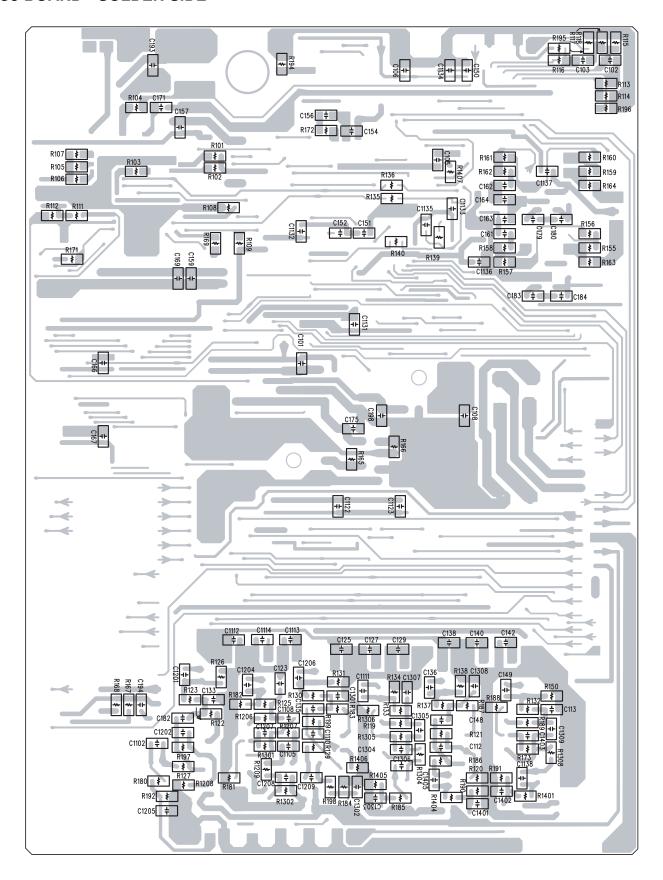
MAIN BOARD



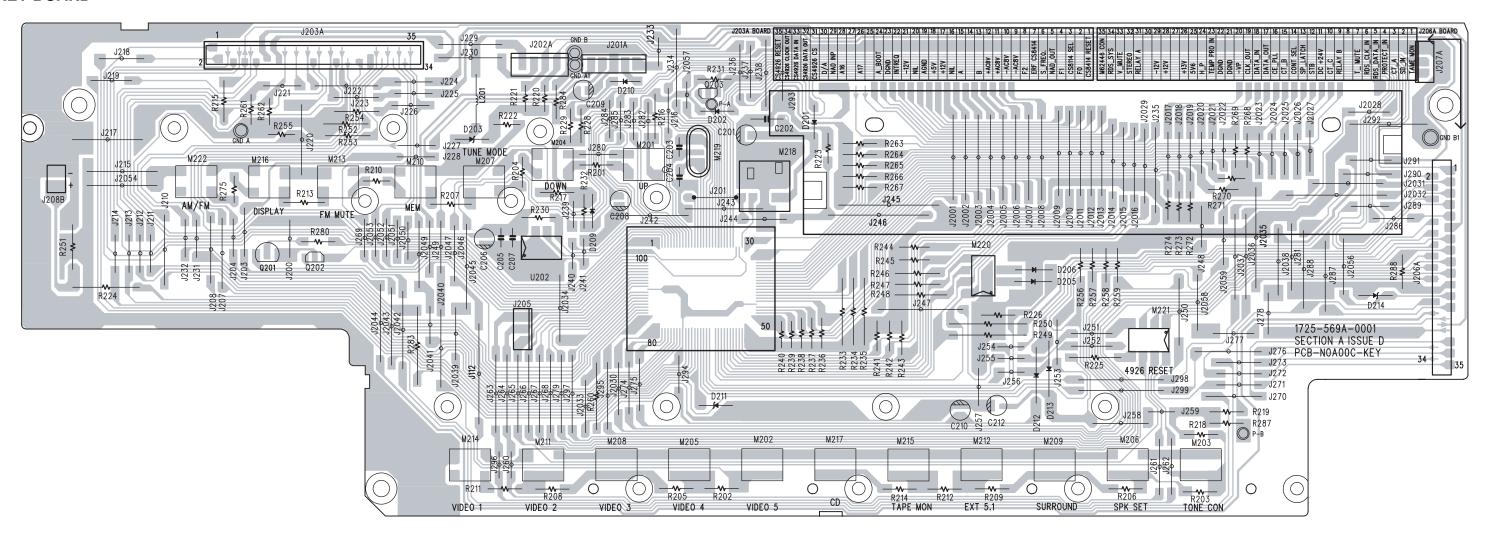
AC3 BOARD - COMPONENT SIDE



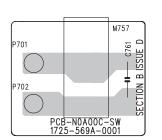
AC3 BOARD - SOLDER SIDE



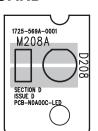
KEY BOARD



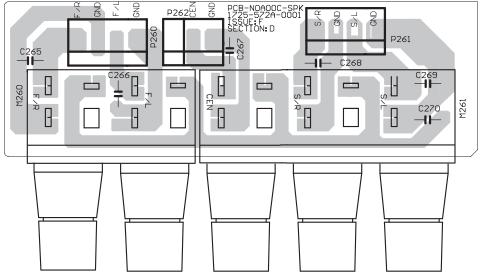
POWER SWITCH BOARD



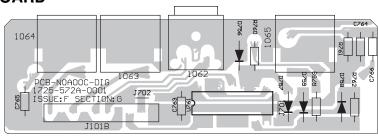
LED BOARD



SPEAKER BOARD



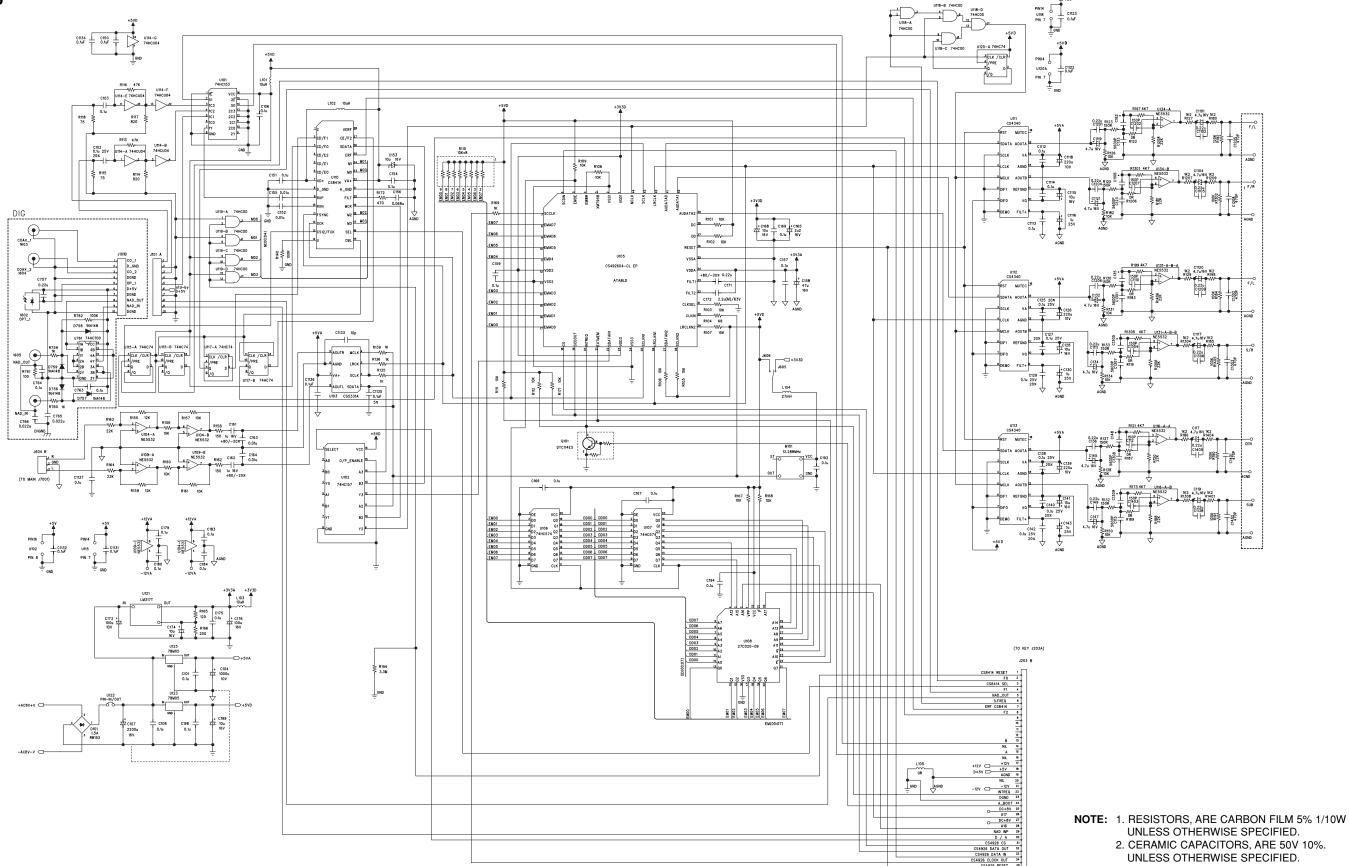
DIGITAL BOARD



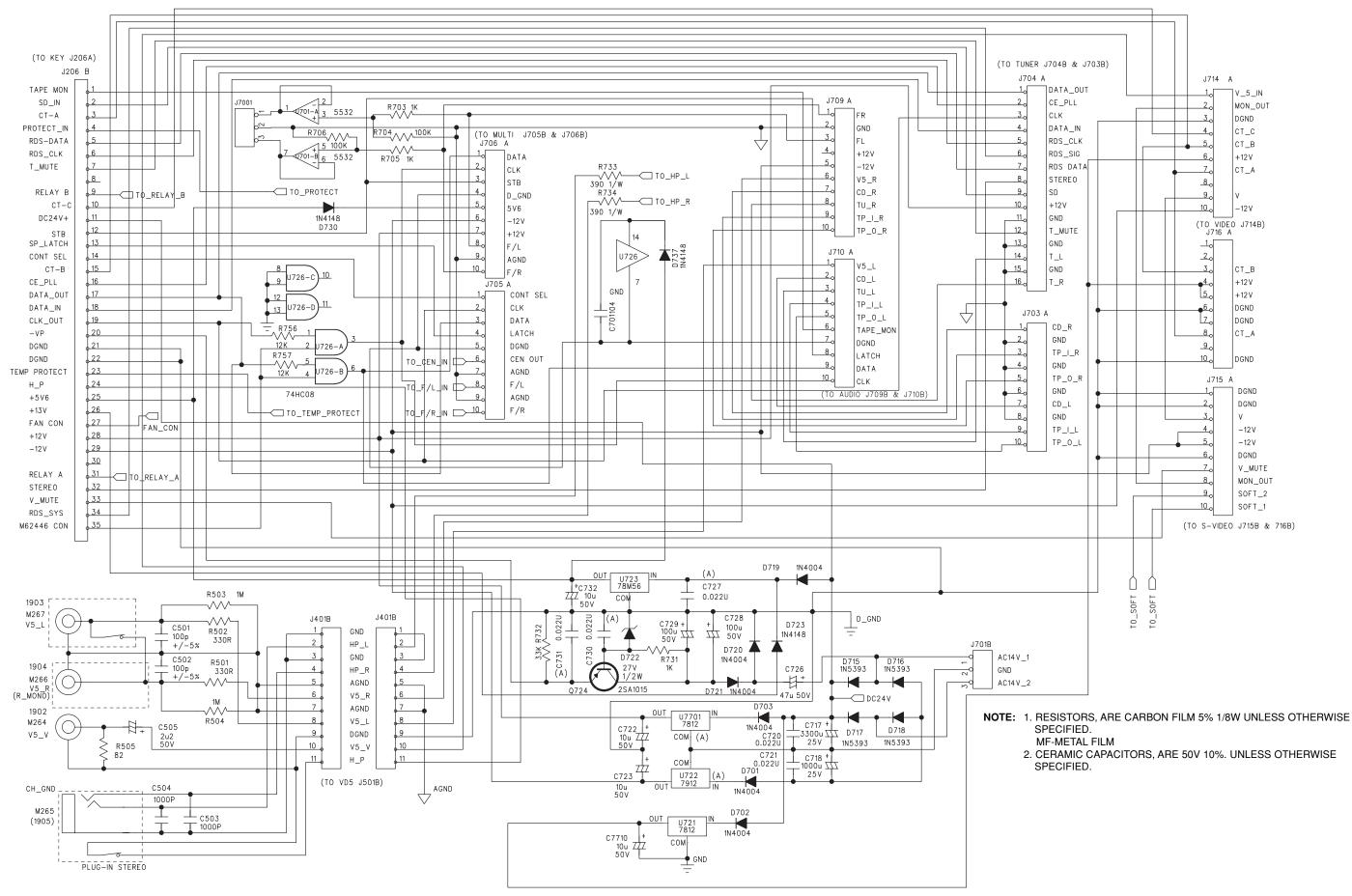
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SCHEMATIC DIAGRAM

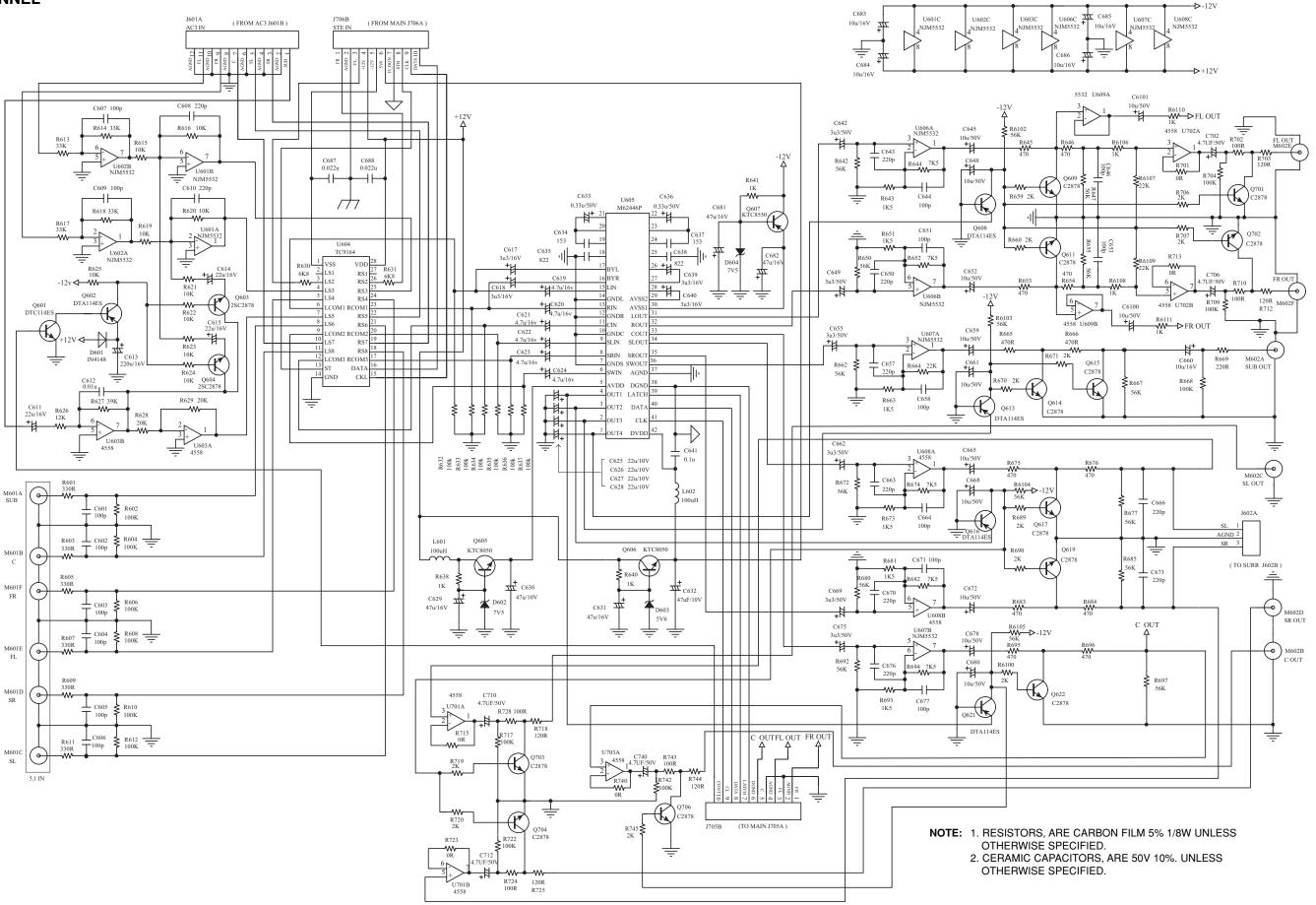
AC3 / DTS



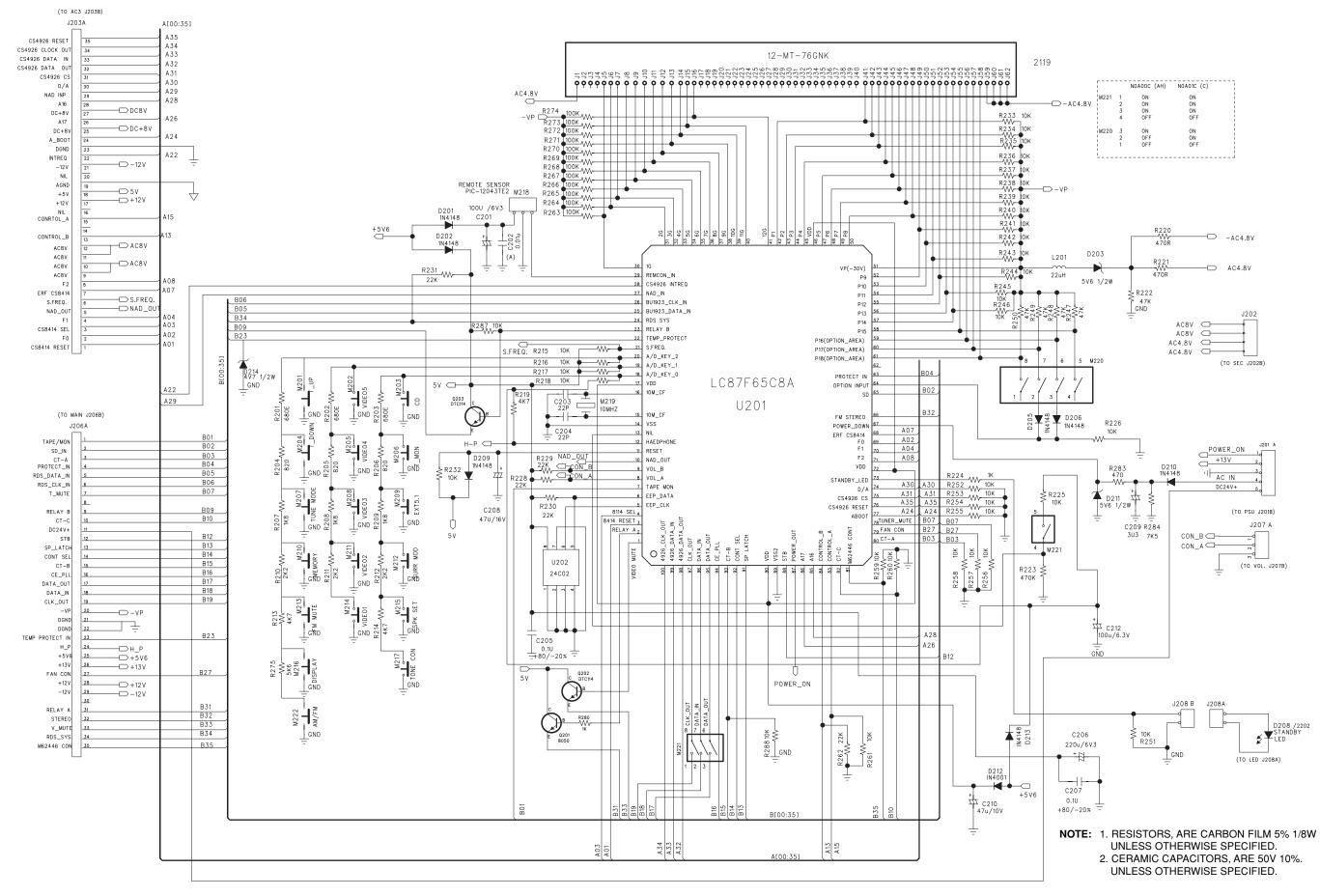
MAIN



MULTI-CHANNEL

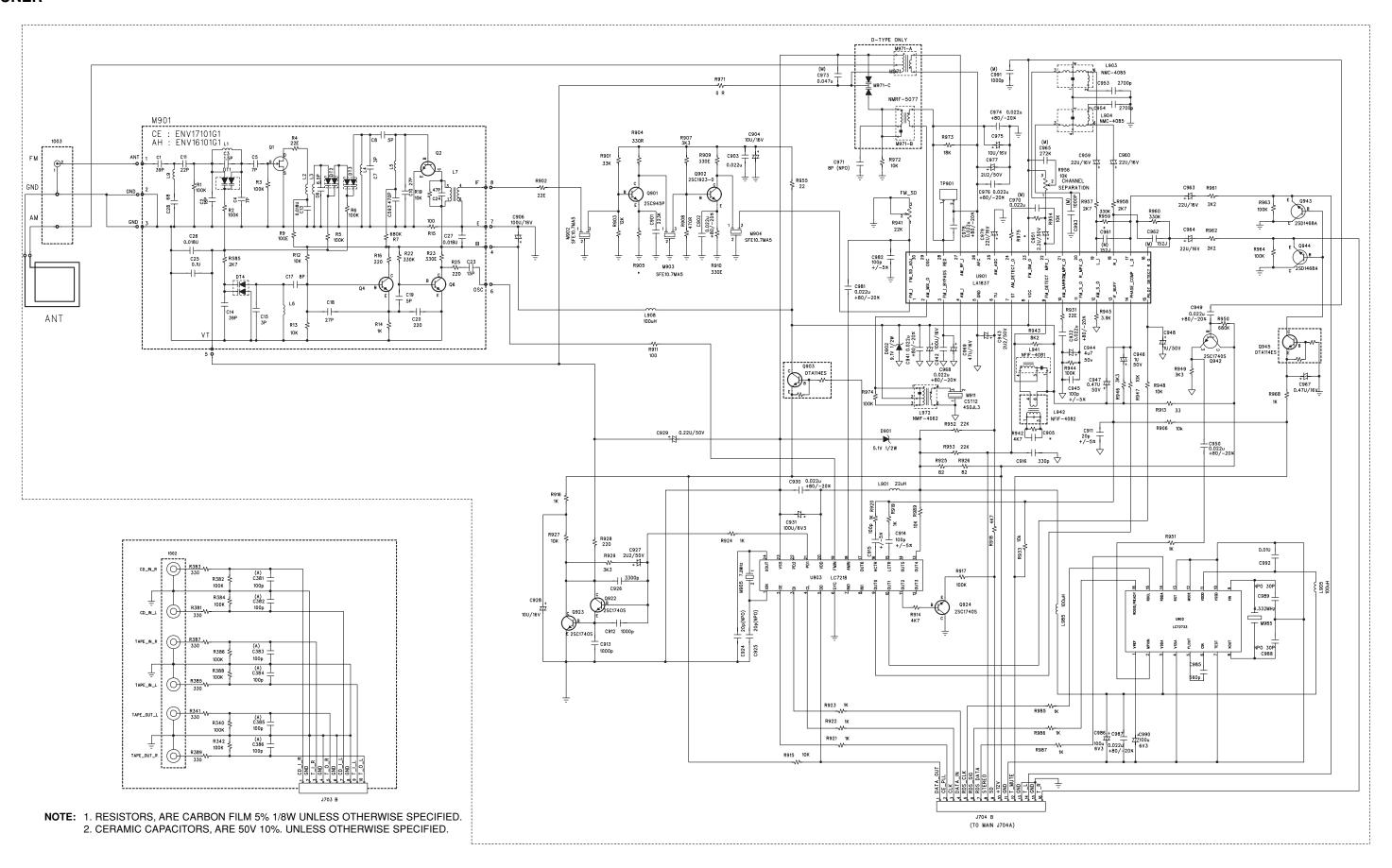


KEYBOARD



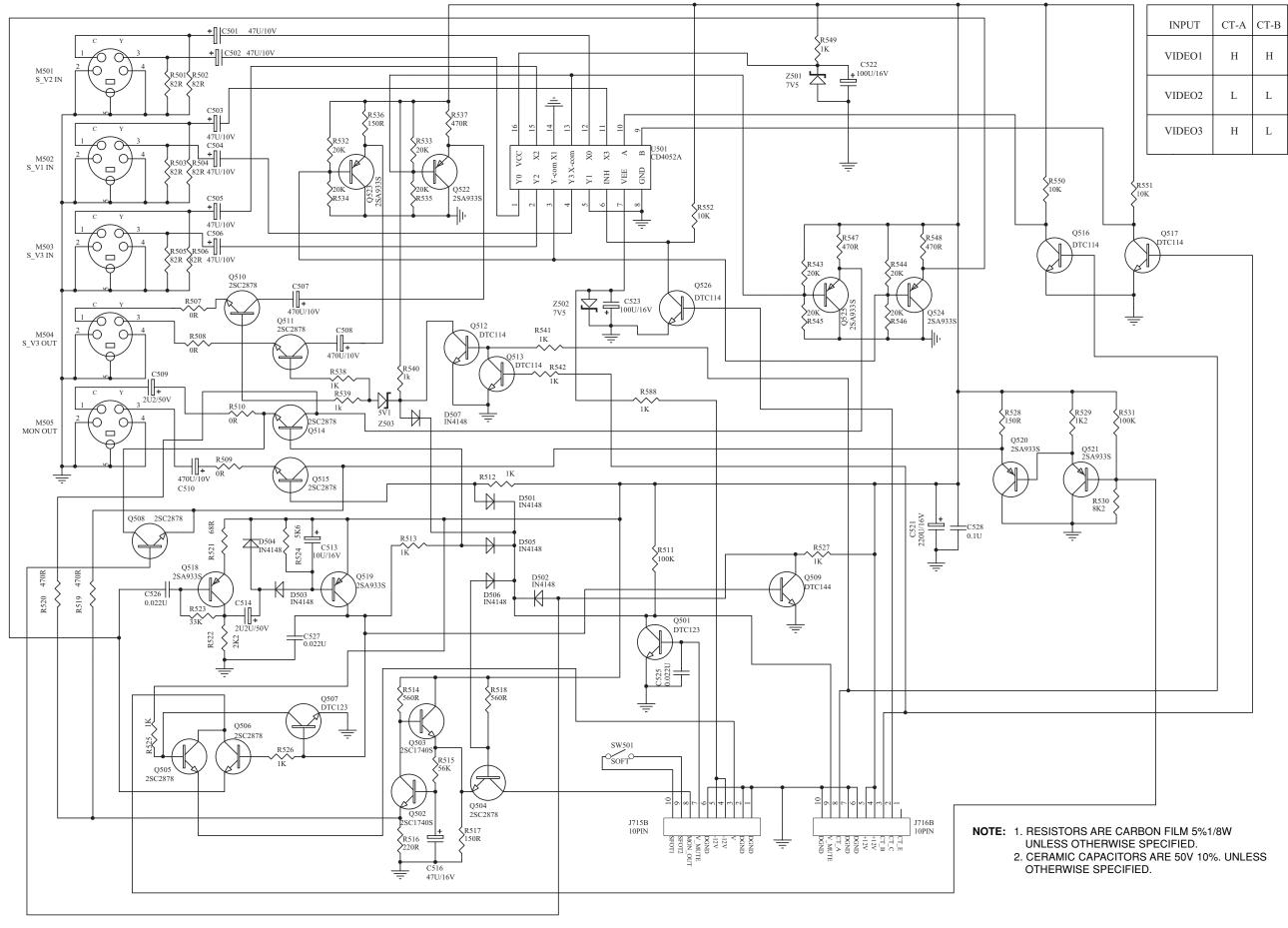
31

TUNER

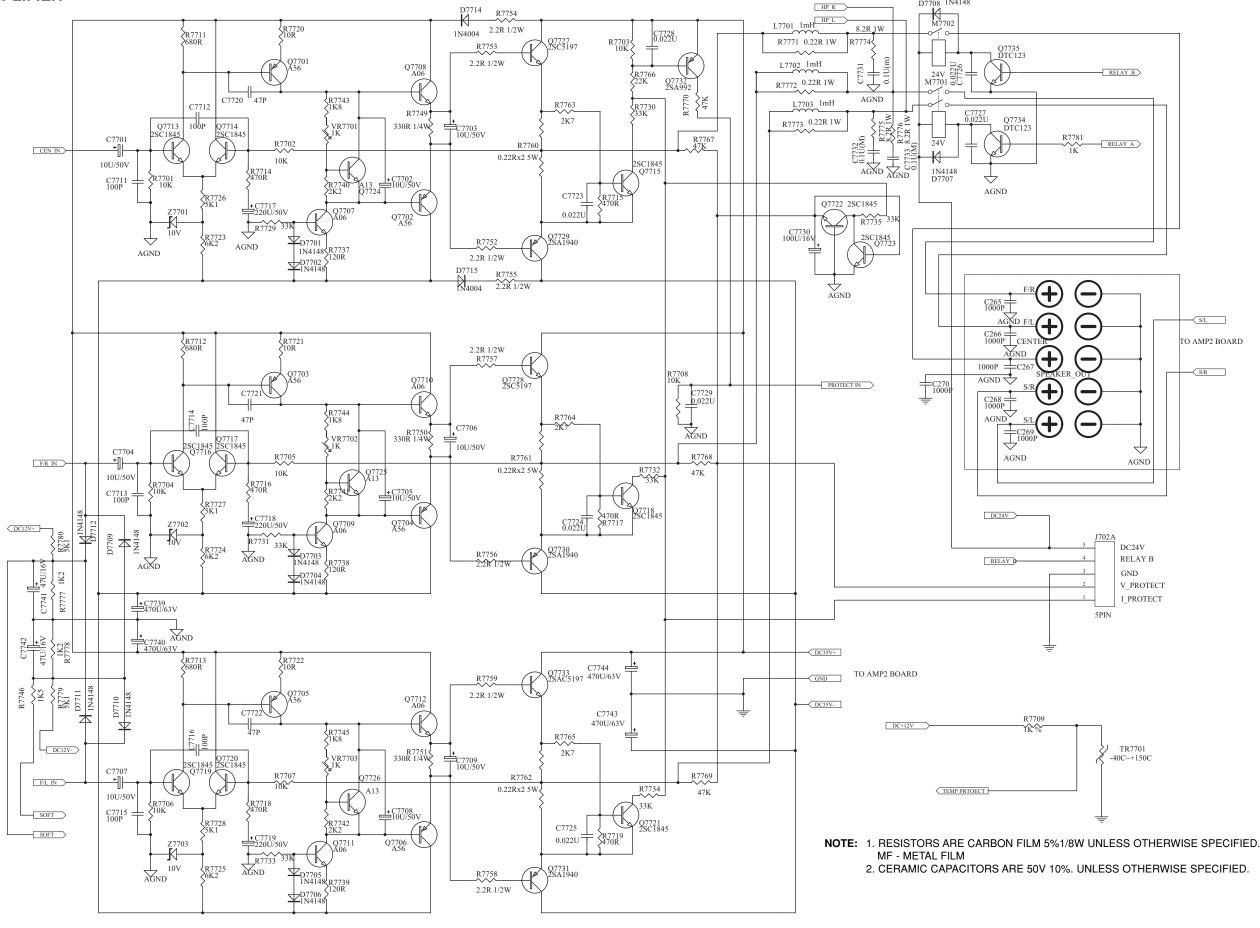


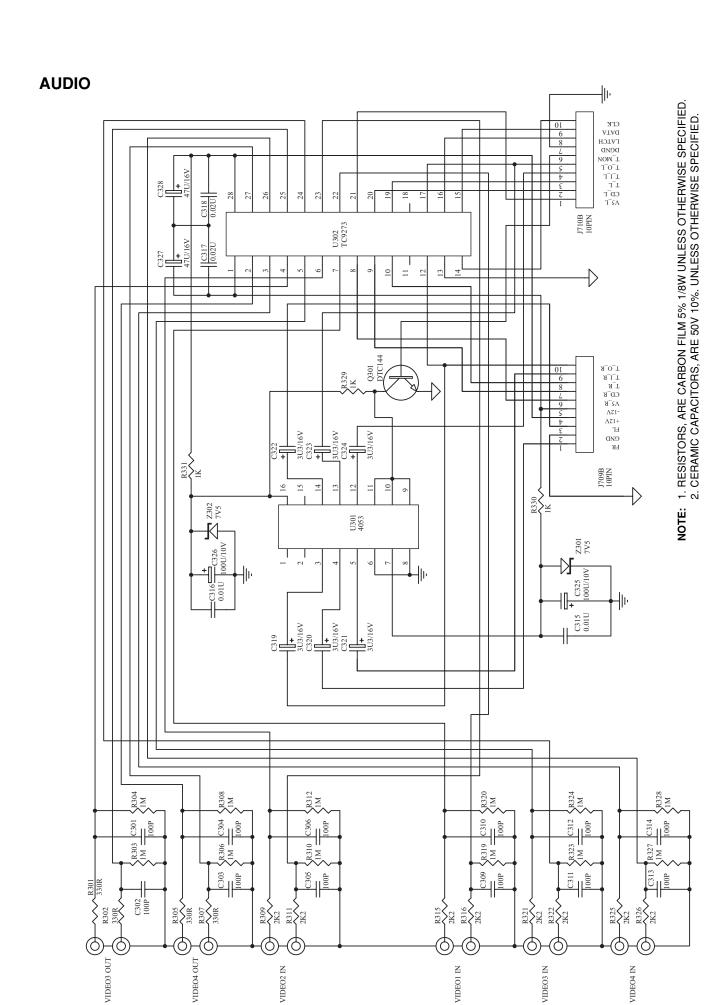
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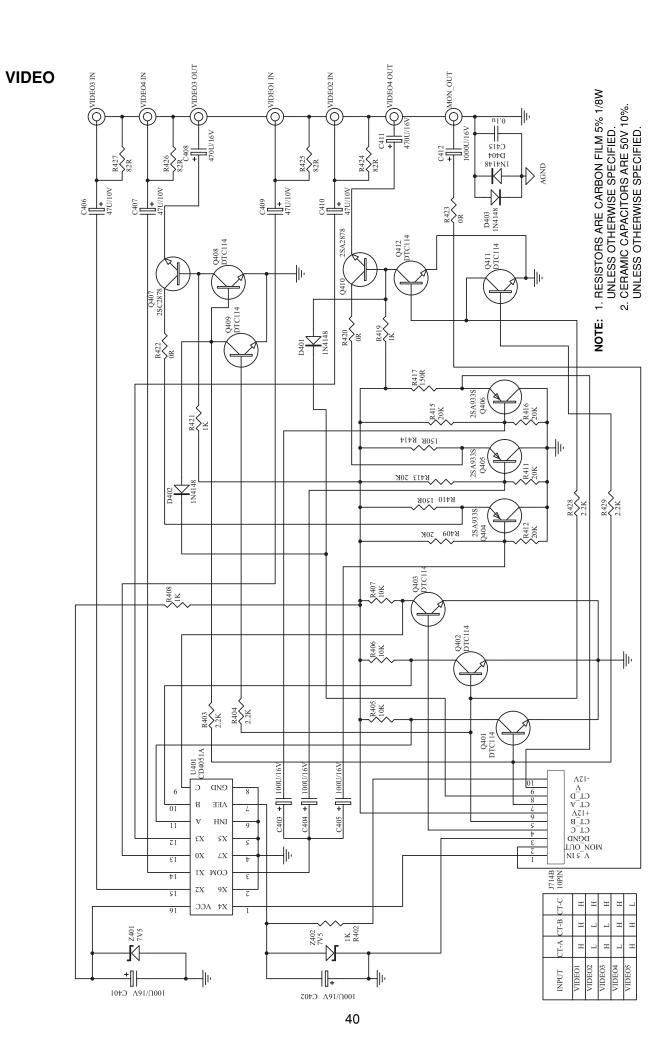
S-VIDEO

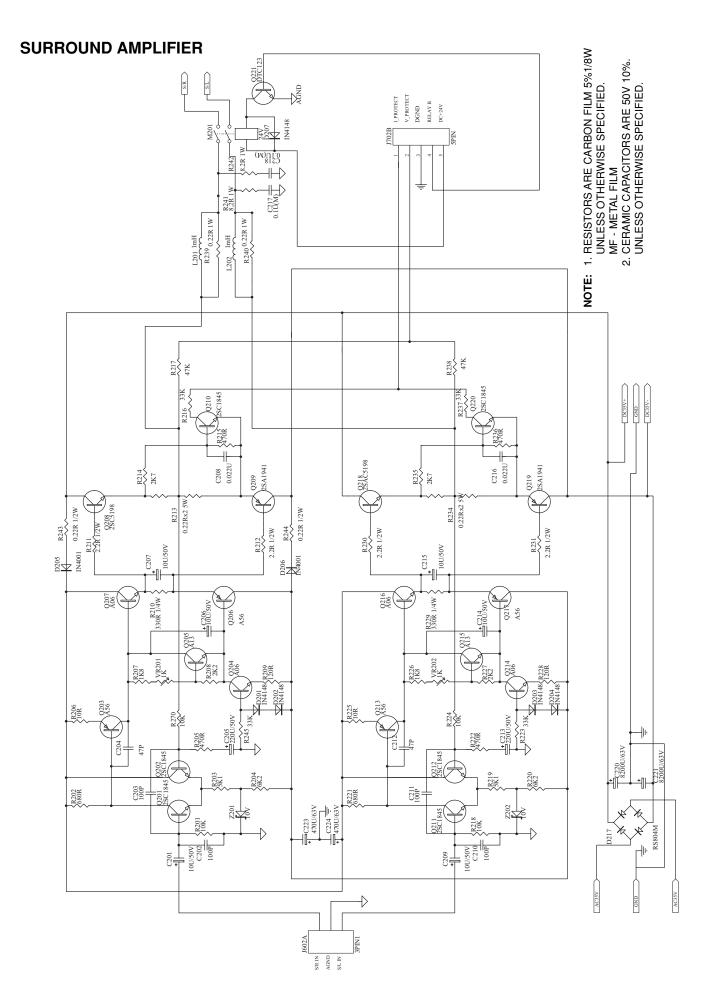


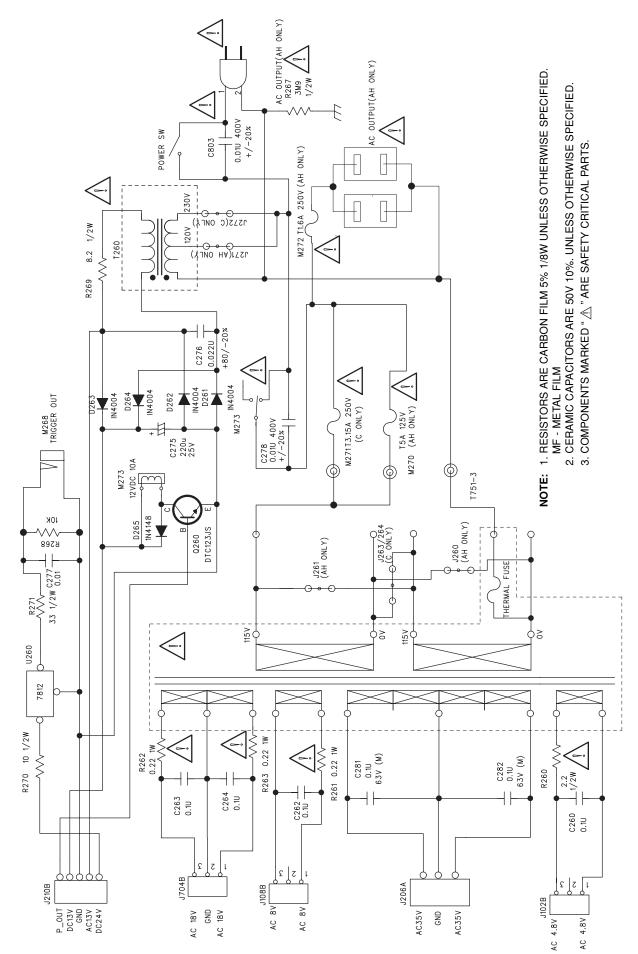
FRONT AMPLIFIER







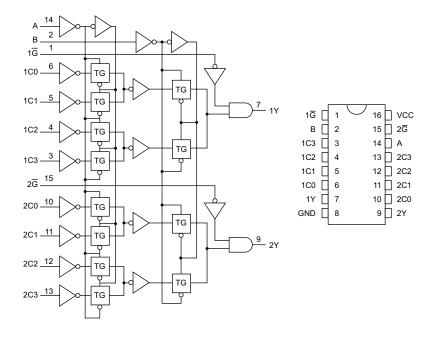




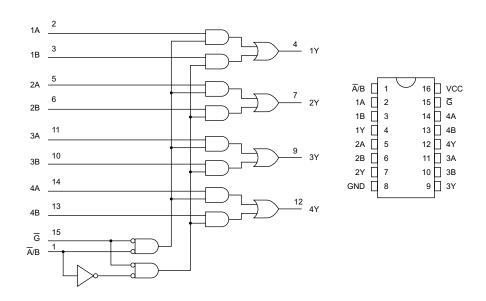
IC BLOCK DIAGRAM

AC3 BOARD

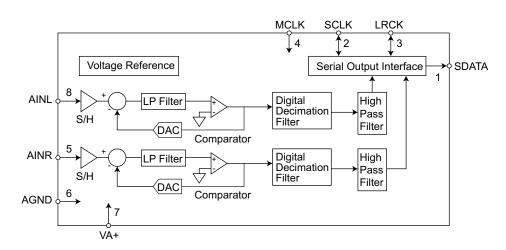
U101: 74HC153



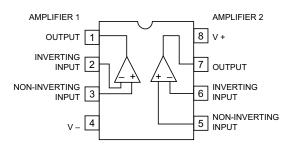
AC3 BOARD U102: 74HC157



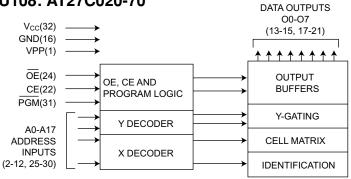
AC3 BOARD U103: CS5331A

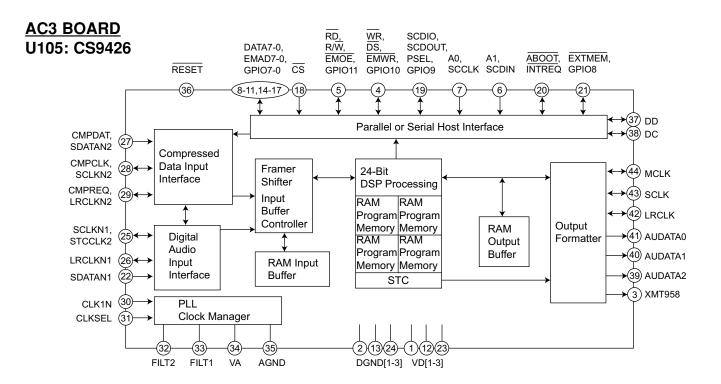


AC3 BOARD U104, U109, U116, U134: NJM5532 U131: NJM4558D



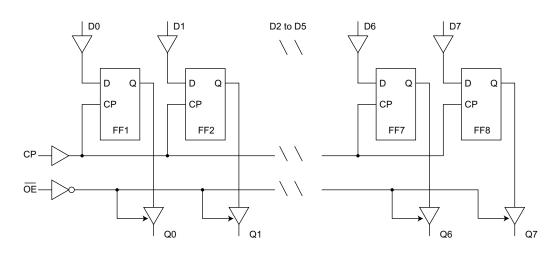
AC3 BOARD U108: AT27C020-70



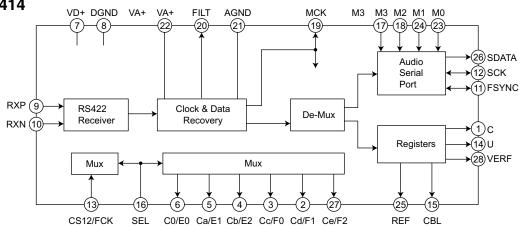


AC3 BOARD

U106, U107: 74HC574

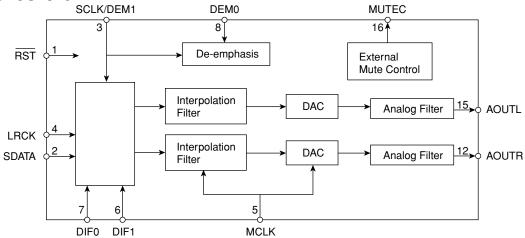


AC3 BOARD U110: CS8414



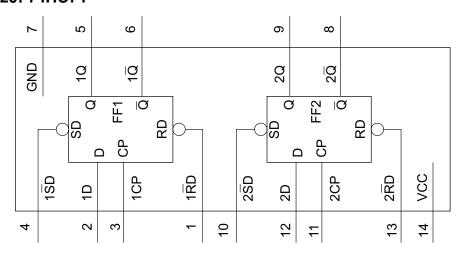
AC3 BOARD

U111-U113: CS4340

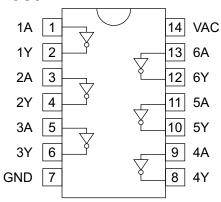


AC3 BOARD

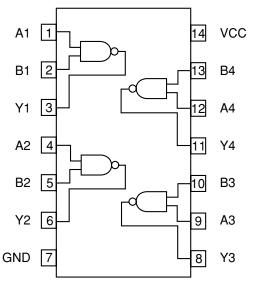
U115, U117, U120: 74HC74



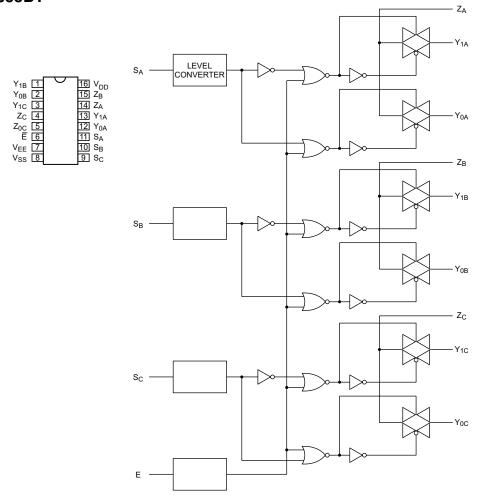
AC3 BOARD U114: 74HCU04



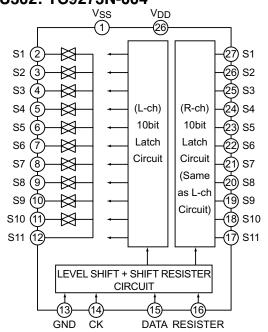
AC3 BOARD U118, U119: 74HC00



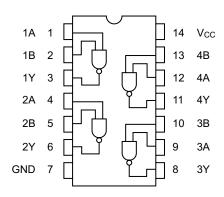
AUDIO BOARD U301: HCF4053BT



<u>AUDIO BOARD</u> U302: TC9273N-004

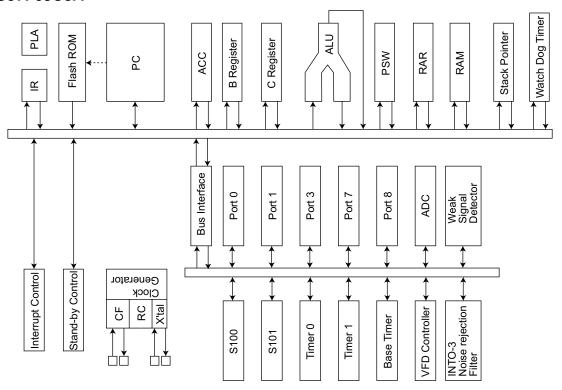


DIGITAL BOARD U761: 74HCT00

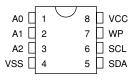


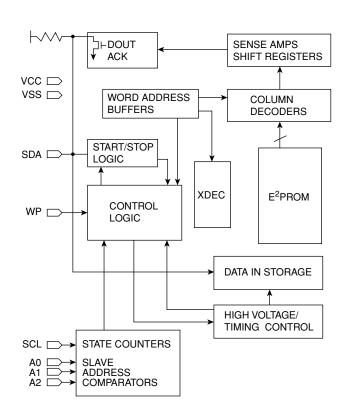
KEY BOARD

U201: LC87F65C8A

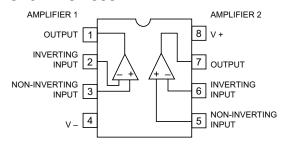


KEY BOARD U202: EEPROM 24C02

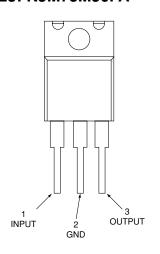




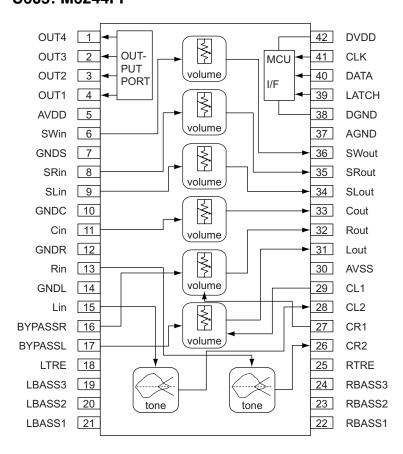
MAIN BOARD U701: NJM5532M



MAIN BOARD U723: NJM78M56FA

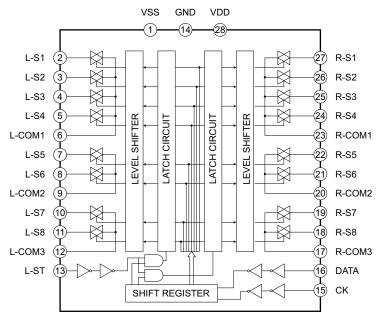


MULTI-CHANNEL BOARD U605: M6244FP



MULTI-CHANNEL BOARD

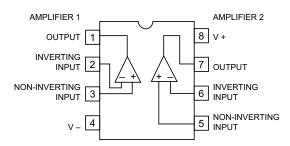
U604: TC9164AN



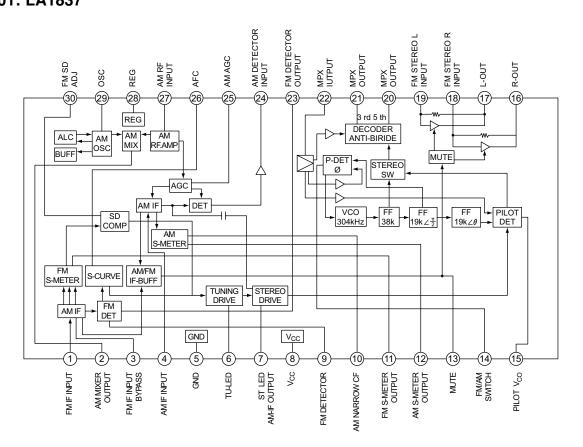
MULTI-CHANNEL BOARD

U601, U602, U606, U607, U609: NJM5532

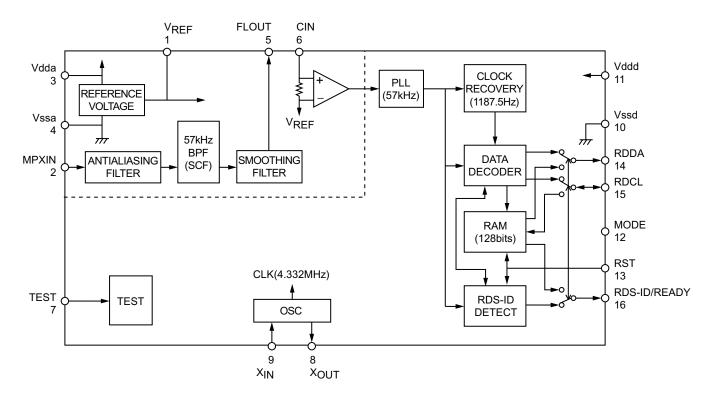
U603, U608: NJM4558D U701-U703: NJM4558M



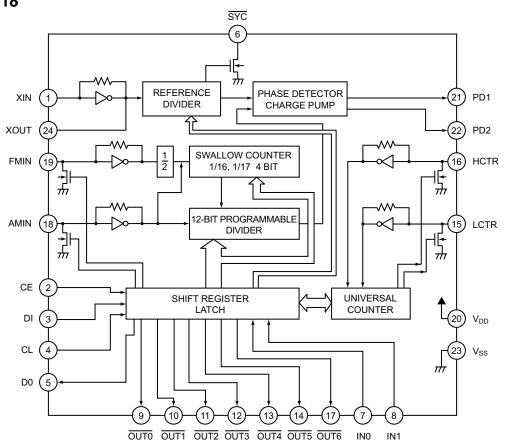
TUNER BOARD U901: LA1837



TUNER BOARD U902: LC72723M

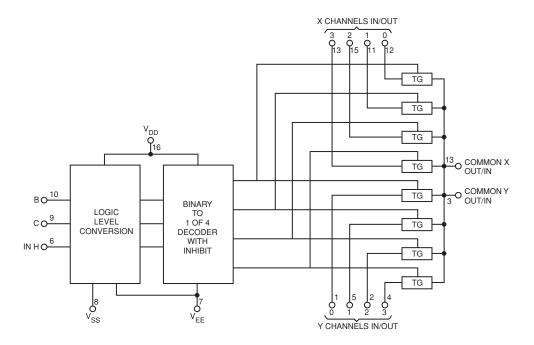


TUNER BOARD U903: LC7218

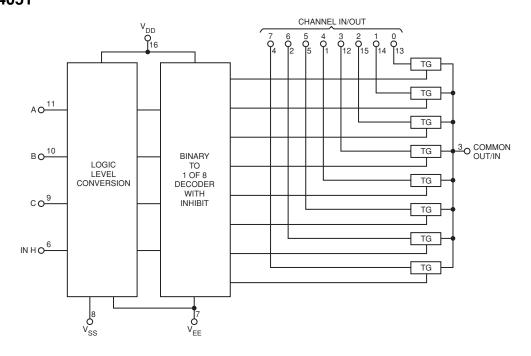


S-VIDEO ASSEMBLY

U501: 4052



VIDEO ASSEMBLY U401: MC14051



ELECTRICAL PARTS LIST

AC3 BOARD PCB-N0A00C-AC3 AC3 ASSEMBLY MISCELLANEOUS 2954-3008-0000 TAPPING 3X8MM B-TITE INSULATION BUSHING SCREWS BT 2.6X6 2703 4151-9931-0 INSULATION BUSHING SCREWS BT 2.6X6 CAPACITORS 150F-104K-J-BD CC 50V 0.1μF 10% 0805 CC 50V 0.1μF 20% 0805 C102 150E-104M-J-BD CC 50V 0.1μF 10% 0805 CC 50V 0.2μF 480/20% CC 50V 0.2μF 10% 0805 CC 50V 0.2μF 10%	Reference No.	Part No.	<u>Description</u>
## A STANDARD STOCK STO	AC3 BOARD		
2702	·	PCB-N0A00C-AC3	AC3 ASSEMBLY
2702			
2703 2704 2954-2606-0000 SCREWS BT 2.6X6		0054 0000 0000	TARRING OVOMBAR TITE
CAPACITORS 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C101 150F-104K-J-BD CC 50V 0.1μF 20% 0805 C103 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C104 157C-108M-5-S5 CE 10V 1000μF 20% RL C105 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C106 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C107 157D-228M-5-W@T CE 16V 2200μF 20% RL C108 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1101 157D-475M-5-EI CE 16V 2200μF 20% RL C1102 15FF-224Z-J-BD CC 50V 0.1μF 10% 0805 C1104 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1105 15FF-224Z-J-BD CC 50V 0.2μF +80/-20% C1104 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1105 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1106 157D-226M-5-GM CE 16V 22μF 20% RL 4X7 C1110 150D-224K-J-BD CC 50V 0.22μF 10% 0805 C1111 150D-224K-J-BD CC 50V 0.22μF 10% 0805 C1112-C1114 150F-104K-J-BD CC 50V 0.1μF 10% 0805			
CAPACITORS C101 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C102 150E-104M-J-BD CC 25V 0.1μF 20% 0805 C103 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C104 157C-108M-5-S5 CE 10V 1000μF 20% RL C105 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C106 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C107 157D-228M-5-W@T CC 50V 0.1μF 10% 0805 C1101 157D-475M-5-EI CE 16V 2200μF 20% RL C1102 15FF-224Z-J-BD CC 50V 0.1μF 10% 0805 C1104 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1105 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1106, C1107 157D-226M-5-GM CC 50V 0.22μF +80/-20% C11101 150D-224K-J-BD CC 50V 150pF 10% 0805 1. C1111 150D-224K-J-BD CC 50V 0.2μF 10% 0805 C1111 150D-224K-J-BD CC 50V 0.2μF 10% 0805 C1111 157D-106M-5-GM CE 16V 22μF 20% RL 4x7 C1116 157D-475M-5-EI CE 16V 10μF 20% RL 3x5 C1118 157D-475M-	I		
C101 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C102 150E-104M-J-BD CC 25V 0.1μF 20% 0805 C103 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C104 157C-108M-5-S5 CE 10V 1000μF 20% RL C105 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C106 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C107 157D-228M-5-W@T CE 16V 2200μF 20% RL C108 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1101 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1102 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1104 157D-226M-5-GM CE 16V 4.7μF 20% RL 4X7 C1105 157D-226M-5-GM CE 16V 22μF 20% RL 4X7 C1110 150F-151K-J-BD CC 50V 0.22μF +80/-20% C1106, C1107 157D-226M-5-GM CE 16V 22μF 20% RL 4X7 C1110 150F-104K-J-BD CC 50V 0.22μF 10% 0805 C1111 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1111 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C11116 157D-475M-5-EI CE 16V 10μF 20% RL 4X7	2704	2334-2000-0000	SOFIEWS BT 2.0X0
C102 150E-104M-J-BD CC 25V 0.1μF 20% 0805 C103 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C104 157C-108M-5-S5 CE 10V 1000μF 20% RL C105 150F-103K-J-BD CC 50V 0.01μF 10% 0805 C106 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C107 157D-228M-5-W@T CE 16V 2200μF 20% RL C108 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1101 157D-475M-5-EI CE 16V 2200μF 20% RL C1102 15FF-224Z-J-BD CC 50V 0.1μF 10% 0805 C1104 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1105 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1106, C1107 157D-226M-5-GM CE 16V 22μF 20% RL 4X7 C1110 150F-151K-J-BD CC 50V 0.22μF +80/-20% C1111 150D-224K-J-BD CC 50V 0.22μF 10% 0805 C1111 150F-104K-J-BD CC 50V 0.22μF 10% 0805 C1111 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1116 157D-106M-5-GM CE 16V 10μF 20% RL 4x7 C1116 157D-475M-5-EI CE 25V 1μF 20% RL 3x5	CAPACITORS		
C103 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C104 157C-108M-5-S5 CE 10V 1000μF 20% RL C105 150F-103K-J-BD CC 50V 0.01μF 10% 0805 C106 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C107 157D-228M-5-W@T CE 16V 2200μF 20% RL C108 157D-475M-5-EI CC 50V 0.1μF 10% 0805 C1101 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1102 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1104 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1105 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1106, C1107 157D-226M-5-GM CE 16V 22μF 20% RL 4X7 C1110 150F-151K-J-BD CC 50V 150pF 10% 0805 C1111 150D-224K-J-BD CC 50V 0.2μF 10% 0805 C1112 157D-106M-5-GM CE 16V 0.22μF 10% 0805 C1116 157D-106M-5-GM CE 16V 10μF 20% RL 4X7 C1116 157D-475M-5-EI CE 25V 1μF 20% RL 3x5 C1117 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1118 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 <	C101	150F-104K-J-BD	
C104 157C-108M-5-S5 CE 10V 1000μF 20% RL C105 150F-103K-J-BD CC 50V 0.01μF 10% 0805 C106 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C107 157D-228M-5-W@T CE 16V 2200μF 20% RL C108 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1101 157D-475M-5-EI CC 50V 0.1μF 10% 0805 C1102 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1104 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1105 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1106, C1107 157D-226M-5-GM CE 16V 22μF 20% RL 4X7 C1110 150F-151K-J-BD CC 50V 0.22μF 10% 0805 C1111 150D-224K-J-BD CC 50V 0.22μF 10% 0805 C1112-C1114 150F-106M-5-GM CE 16V 0.22μF 10% 0805 C1116 157D-106M-5-GM CE 16V 10μF 20% RL 4x7 C1116 157D-475M-5-EI CE 25V 1μF 20% RL 3x5 C1117 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1118 157D-475M-5-EI CE 16V 4.7μF 20% RL 6x12 C1119 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5<	l I		
C105 150F-103K-J-BD CC 50V 0.01μF 10% 0805 C106 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C107 157D-228M-5-W@T CE 16V 2200μF 20% RL C108 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1101 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1102 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1104 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1105 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1106, C1107 157D-226M-5-GM CE 16V 22μF 20% RL 4X7 C1110 150F-151K-J-BD CC 50V 150pF 10% 0805 1 C1111 150D-224K-J-BD CC 50V 0.22μF 10% 0805 1 C1112-C1114 150F-104K-J-BD CC 50V 0.1μF 10% 0805 CC 16V 0.22μF 10% 0805 C1115 157D-106M-5-GM CE 16V 10μF 20% RL 4x7 CE 16V 10μF 20% RL 3x5 C1116 157D-475M-5-EI CE 16V 220μF 20% RL 3x5 CE 16V 220μF 20% RL 6x12 C1118 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 CE 16V 4.7μF 20% RL 3x5 C1119 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 CE 16V	I		•
C106 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C107 157D-228M-5-W@T CE 16V 2200μF 20% RL C108 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1101 157D-475M-5-EI CC 50V 0.1μF 10% 0805 C1102 15FF-224Z-J-BD CC 50V 0.2μF 10% 0805 C1104 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1105 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1106, C1107 157D-226M-5-GM CE 16V 22μF 20% RL 4X7 C1110 150F-151K-J-BD CC 50V 150pF 10% 0805 C1111 150D-224K-J-BD CC 50V 150pF 10% 0805 C1112-C1114 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1115 157D-106M-5-GM CE 16V 10μF 20% RL 4x7 C1116 157E-105M-5-EI CE 25V 1μF 20% RL 3x5 C1117 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1118 157D-227M-5-KW CE 16V 220μF 20% RL 6x12 C1119 150F-151K-J-BD CC 50V 150pF 10% 0805 1.	I		•
C107 157D-228M-5-W@T CE 16V 2200μF 20% RL C108 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1101 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1102 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1104 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1105 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1106, C1107 157D-226M-5-GM CE 16V 22μF 20% RL 4X7 C1110 150F-151K-J-BD CC 50V 150pF 10% 0805 C1111 150D-224K-J-BD CC 50V 0.22μF 10% 0805 C1112-C1114 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1115 157D-106M-5-GM CE 16V 10μF 20% RL 4x7 C1116 157E-105M-5-EI CE 25V 1μF 20% RL 3x5 C1117 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1118 157D-227M-5-KW CE 16V 220μF 20% RL 6x12 C1119 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C112 150F-151K-J-BD CC 50V 150pF 10% 0805 1.	l I		
C108 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1101 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1102 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1104 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1105 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1106, C1107 157D-226M-5-GM CE 16V 22μF 20% RL 4X7 C1110 150F-151K-J-BD CC 50V 150pF 10% 0805 1. C1111 150D-224K-J-BD CC 16V 0.22μF 10% 0805 C1112-C1114 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1115 157D-106M-5-GM CE 16V 10μF 20% RL 4x7 C1116 157E-105M-5-EI CE 25V 1μF 20% RL 3x5 C1117 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1118 157D-475M-5-EI CE 16V 220μF 20% RL 6x12 C1119 150F-151K-J-BD CC 50V 150pF 10% 0805 1.	I		•
C1101 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1102 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1104 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1105 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1106, C1107 157D-226M-5-GM CE 16V 22μF 20% RL 4X7 C1110 150F-151K-J-BD CC 50V 150pF 10% 0805 1. C1111 150D-224K-J-BD CC 16V 0.22μF 10% 0805 C1112-C1114 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1115 157D-106M-5-GM CE 16V 10μF 20% RL 4x7 C1116 157E-105M-5-EI CE 25V 1μF 20% RL 3x5 C1117 157D-475M-5-EI CE 16V 220μF 20% RL 6x12 C1118 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1119 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C112 150F-151K-J-BD CC 50V 150pF 10% 0805 1.	I	_	•
C1102 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1104 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1105 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1106, C1107 157D-226M-5-GM CE 16V 22μF 20% RL 4X7 C1110 150F-151K-J-BD CC 50V 150pF 10% 0805 1. C1111 150D-224K-J-BD CC 16V 0.22μF 10% 0805 C1112-C1114 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1115 157D-106M-5-GM CE 16V 10μF 20% RL 4x7 C1116 157E-105M-5-EI CE 25V 1μF 20% RL 3x5 C1117 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1118 157D-227M-5-KW CE 16V 220μF 20% RL 6x12 C1119 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C112 150F-151K-J-BD CC 50V 150pF 10% 0805 1.	I		
C1104 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1105 15FF-224Z-J-BD CC 50V 0.22μF +80/-20% C1106, C1107 157D-226M-5-GM CE 16V 22μF 20% RL 4X7 C1110 150F-151K-J-BD CC 50V 150pF 10% 0805 1. C1111 150D-224K-J-BD CC 16V 0.22μF 10% 0805 C1112-C1114 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1115 157D-106M-5-GM CE 16V 10μF 20% RL 4x7 C1116 157E-105M-5-EI CE 25V 1μF 20% RL 3x5 C1117 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1118 157D-227M-5-KW CE 16V 220μF 20% RL 6x12 C1119 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C112 150F-151K-J-BD CC 50V 150pF 10% 0805 1.	I		
C1106, C1107 157D-226M-5-GM CE 16V 22μF 20% RL 4X7 C1110 150F-151K-J-BD CC 50V 150pF 10% 0805 1. C1111 150D-224K-J-BD CC 16V 0.22μF 10% 0805 C1112-C1114 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1115 157D-106M-5-GM CE 16V 10μF 20% RL 4x7 C1116 157E-105M-5-EI CE 25V 1μF 20% RL 3x5 C1117 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1118 157D-227M-5-KW CE 16V 220μF 20% RL 6x12 C1119 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C112 150F-151K-J-BD CC 50V 150pF 10% 0805 1.	l I		
C1110 150F-151K-J-BD CC 50V 150pF 10% 0805 1. C1111 150D-224K-J-BD CC 16V 0.22μF 10% 0805 C1112-C1114 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1115 157D-106M-5-GM CE 16V 10μF 20% RL 4x7 C1116 157E-105M-5-EI CE 25V 1μF 20% RL 3x5 C1117 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1118 157D-227M-5-KW CE 16V 220μF 20% RL 6x12 C1119 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C112 150F-151K-J-BD CC 50V 150pF 10% 0805 1.	C1105	15FF-224Z-J-BD	CC 50V 0.22µF +80/-20%
C1111 150D-224K-J-BD CC 16V 0.22μF 10% 0805 C1112-C1114 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1115 157D-106M-5-GM CE 16V 10μF 20% RL 4x7 C1116 157E-105M-5-EI CE 25V 1μF 20% RL 3x5 C1117 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1118 157D-227M-5-KW CE 16V 220μF 20% RL 6x12 C1119 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C112 150F-151K-J-BD CC 50V 150pF 10% 0805 1.	1		
C1112-C1114 150F-104K-J-BD CC 50V 0.1μF 10% 0805 C1115 157D-106M-5-GM CE 16V 10μF 20% RL 4x7 C1116 157E-105M-5-EI CE 25V 1μF 20% RL 3x5 C1117 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C1118 157D-227M-5-KW CE 16V 220μF 20% RL 6x12 C1119 157D-475M-5-EI CE 16V 4.7μF 20% RL 3x5 C112 150F-151K-J-BD CC 50V 150pF 10% 0805 1.			
C1115 C1116 C1117 C1117 C1118 C1118 C1119 C1119 C1119 C1119 C1111	l I		
C1116	l I		
C1117	l I		•
C1118	l I		·
C1119	l I		
	l I		
Alian Alian	C112	150F-151K-J-BD	CC 50V 150pF 10% 0805 1.
	C1120, C1121	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C1122, C1123			·
C113			·
C1131, C1132	1		•
C1133	I		
C1135	I		
C1136, C1137	1		•
C1138	l '		
C114, C115 157D-226M-5-GM CE 16V 22µF 20% RL 4X7	l I		·
C117, C119 157D-475M-5-EI CE 16V 4.7µF 20% RL 3x5	1		•
C120	I		·
C1201	I		·
C1202	I		·
C1204	I		·
C1206	I		·
C1207	l I		·
C1208	I		·
C1209 150D-224K-J-BD CC 16V 0.22µF 10% 0805	1		·
C121 157D-226M-5-GM CE 16V 22UF 20% RL 4X7	C121	157D-226M-5-GM	CE 16V 22UF 20% RL 4X7

Reference No.	Part No.	Description
C123	150F-562K-J-BD	CC 50V 5600pF 10% 0805
C125	150E-104M-J-BD	CC 25V 0.1F 20% 0805
C126	157D-227M-5-KW	CE 16V 220µF 20% RL 6x12
C127	150E-104M-J-BD	CC 25V 0.1F 20% 0805
C128	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C129	150E-104M-J-BD	CC 25V 0.1F 20% 0805
C130	157E-105M-5-EI	CE 25V 1µF 20% RL 3x5
C1301	150F-562K-J-BD	CC 50V 5600pF 10% 0805
C1302, C1303	150F-471K-J-BD	CC 50V 470pF 10% 0805
C1304	150F-151K-J-BD	CC 50V 150pF 10% 0805 1.
C1306	150D-224K-J-BD	CC 16V 0.22µF 10% 0805
C1307, C1308	150F-562K-J-BD	CC 50V 5600pF 10% 0805
C132	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C133	150F-562K-J-BD	CC 50V 5600pF 10% 0805
C134	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C136	150D-224K-J-BD	CC 16V 0.22µF 10% 0805
C138	150E-104M-J-BD	CC 25V 0.1F 20% 0805
C139	157D-227M-5-KW	CE 16V 220µF 20% RL 6x12
C140	150E-104M-J-BD	CC 25V 0.1F 20% 0805
C1401, C1402	150F-471K-J-BD	CC 50V 470pF 10% 0805
C1403	150F-151K-J-BD	CC 50V 150pF 10% 0805 1.
C1405	150D-224K-J-BD	CC 16V 0.22µF 10% 0805
C141	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C142	150E-104M-J-BD	CC 25V 0.1F 20% 0805
C143	157E-105M-5-EI	CE 25V 1µF 20% RL 3x5
C145, C147	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C149	150D-224K-J-BD	CC 16V 0.22µF 10% 0805
C150, C151	150F-104K-J-BD	CC 50V 0.1µF 10% 0805
C152	150F-103K-J-BD	CC 50V 0.01µF 10% 0805
C153	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C154	150F-104K-J-BD	CC 50V 0.1µF 10% 0805
C156	150F-683M-J-BD	CC 50V 0.068µF 20% 0805
C157	150F-104K-J-BD	CC 50V 0.1µF 10% 0805
C158	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C159 C161	150F-104K-J-BD	CC 50V 0.1µF 10% 0805 CC 16V 1µF +80-20% 0805
C161	15FD-105Z-J-BD 15FD-105Z-J-BD	CC 16V 1µF +80-20% 0805 CC 16V 1µF +80-20% 0805
C162 C163, C164	150F-103K-J-BD	CC 50V 0.01µF 10% 0805
C165	157D-225M-5-GM	CE 16V 2.2µF 20% RL 4X7
C166, C167	150F-104K-J-BD	CC 50V 0.1µF 10% 0805
C168	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C169	150F-104K-J-BD	CC 50V 0.1µF 10% 0805
C171	15FF-224Z-J-BD	CC 50V 0.22µF +80/-20%
C172	153F-225J-5-TOM	CM 50V 2.2µF RL 10X8
C173	157E-107M-5-LUT	CE 25V 100µF 20% RL
C174	157D-106M-5-GMT	·
C175	150F-104K-J-BD	CC 50V 0.1µF 10% 0805
C176	157E-107M-5-LUT	CE 25V 100µF 20% RL
C179, C180, C183, C184	150F-104K-J-BD	CC 50V 0.1µF 10% 0805
C193, C194, C198	150F-104K-J-BD	CC 50V 0.1µF 10% 0805
C199	157D-106M-5-GM T	CE 16V 10µF 20% RL 4x7
DIODE		
D101	4840-0490-0	BRIDGE RECTIFIER RB152

Reference No.	Part No.	<u>Description</u>
HEATSINKS		
H-U121	5400-0831-0	HEATSINK
H-U123	5400-9130-0	HEAT SINK FOR 7805 2438-
WAFERS	_	
J101A	2102-101S-004	WAFER 10P P2.5 ST.
J203B	2101-1581-0	FLEXIBLE CONN. 35P
J601B J604B	2102-121S-004 2102-031S-004	12P ST.WAFER 3 PIN ST. WAFER
00045	2102 0010 004	of its of. WAI Lit
COILS		
L101-L103	1801-100K-M	COIL 10µH 10% BL7.0
L104	1807-273J-PS	COIL 27MH 5% 8.3X9.7
CRYSTAL M101	2300-3060-0	VITAL 10 000MUZ . / 20DDM
WITOT	8910-0493-0	X'TAL 12.288MHZ +/-20PPM CRYSTAL IC KIT ASSY
	0910-0495-0	CITIOTAL IO KIT ASST
TRANSISTOR		
Q101	485C-114E-5	TR DTC114ES
RESISTORS	4700 400 1 1	DNO 4/40N/401/ 50/ 0005
R101-R103	4720-103J-J	RMG 1/10W 10K 5% 0805
R104	4720-680J-J	RMG 1/10W 68R 5% 0805
R105-R109 R110	4720-103J-J 4707-103C-5-8	RMG 1/10W 10K 5% 0805 RCFA 1/2W 10K 2% RL 8 9P
R111, R112	4707-103C-3-8 4720-103J-J	RMG 1/10W 10K 5% 0805
R113	4720-1033-3 4720-473J-J	RMG 1/10W 47K 5% 0805
R114	4720-821J-J	RMG 1/10W 820R 5% 0805
R115	4720-750J-J	RMG 1/10W 75R 5% 0805
R116	4720-473J-J	RMG 1/10W 47K 5% 0805
R117	4720-821J-J	RMG 1/10W 820R 5% 0805
R118	4720-750J-J	RMG 1/10W 75R 5% 0805
R119	4720-000J-J	RMG 1/10W 0R 5% 0805
R120	4720-203J-J	RMG 1/10W 20K 5% 0805
R1206	4720-000J-J 4720-102J-J	RMG 1/10W 0R 5% 0805 RMG 1/10W 1K 5% 0805
R1207 R1208	4720-1023-3 4720-203J-J	RMG 1/10W 1K 5% 0805
R1209	4720-2033-3 4720-102J-J	RMG 1/10W 1K 5% 0805
R121	4720-472J-J	RMG 1/10W 4.7K 5% 0805
R122	4720-000J-J	RMG 1/10W 0R 5% 0805
R123, R125	4720-151J-J	RMG 1/10W 150R 5% 0805
R126	4720-103J-J	RMG 1/10W 10K 5% 0805
R127, R129	4720-102J-J	RMG 1/10W 1K 5% 0805
R130	4720-151J-J	RMG 1/10W 150R 5% 0805
R1301	4720-472J-J	RMG 1/10W 4.7K 5% 0805
R1302 R1304	4720-104J-J 4720-102J-J	RMG 1/10W 100K 5% 0805 RMG 1/10W 1K 5% 0805
R1304	4720-102J-J 4720-472J-J	RMG 1/10W 1K 5% 0805 RMG 1/10W 4.7K 5% 0805
R1306	4720-4725-5 4720-203J-J	RMG 1/10W 4.7K 5% 0805
R1308	4720-102J-J	RMG 1/10W 1K 5% 0805
R131	4720-103J-J	RMG 1/10W 10K 5% 0805
R132, R133	4720-151J-J	RMG 1/10W 150R 5% 0805
R134	4720-103J-J	RMG 1/10W 10K 5% 0805
R135, R136	4720-102J-J	RMG 1/10W 1K 5% 0805
R137	4720-151J-J	RMG 1/10W 150R 5% 0805

Reference No.	Part No.	Description
		<u> </u>
R138	4720-103J-J	RMG 1/10W 10K 5% 0805
R139	4720-102J-J	RMG 1/10W 1K 5% 0805
R140	4720-101J-J	RMG 1/10W 100R 5% 0805
R1401, R1404	4720-102J-J	RMG 1/10W 1K 5% 0805
R1405	4720-104J-J	RMG 1/10W 100K 5% 0805
R1406	4720-203J-J	RMG 1/10W 20K 5% 0805
R150	4720-103J-J	RMG 1/10W 10K 5% 0805
R155	4720-153J-J	RMG 1/10W 15K 5% 0805
R156, R157	4720-103J-J	RMG 1/10W 10K 5% 0805
R158	4720-151J-J	RMG 1/10W 150R 5% 0805
R159	4720-153J-J	RMG 1/10W 15K 5% 0805
R160, R161	4720-103J-J	RMG 1/10W 10K 5% 0805
R162	4720-151J-J	RMG 1/10W 150R 5% 0805
R163, R164	4720-223J-J	RMG 1/10W 22K 5% 0805
R165	4720-121J-J	RMG 1/10W 120R 5% 0805
R166	4720-201J-J	RMG 1/10W 200R 5% 0805
R167, R168	4720-103J-J	RMG 1/10W 10K 5% 0805
R169	4720-102J-J	RMG 1/10W 1K 5% 0805
R171	4720-103J-J	RMG 1/10W 10K 5% 0805
R172	4720-471J-J	RMG 1/10W 470R 5% 0805
R173	4720-472J-J	RMG 1/10W 4.7K 5% 0805
R180	4720-102J-J	RMG 1/10W 1K 5% 0805
R181	4720-203J-J	RMG 1/10W 20K 5% 0805
R182	4720-103J-J	RMG 1/10W 10K 5% 0805
R183	4720-000J-J	RMG 1/10W 0R 5% 0805
R184	4720-104J-J	RMG 1/10W 100K 5% 0805
R185, R186 R187	4720-102J-J 4720-000J-J	RMG 1/10W 1K 5% 0805 RMG 1/10W 0R 5% 0805
R188	4720-0003-3 4720-203J-J	RMG 1/10W 0h 5% 0805
R189	4720-200J-J	RMG 1/10W 0R 5% 0805
R190-R192	4720-0003-3 4720-104J-J	RMG 1/10W 0H 5 % 0805
R194	4720-335J-J	RMG 1/10W 3.3M 5% 0805
R197	4720-4333-3 4720-472J-J	RMG 1/10W 4.7K 5% 0805
R198	4720-172J-J	RMG 1/10W 1K 5% 0805
R199	4720-472J-J	RMG 1/10W 4.7K 5% 0805
11133	4720 4720 0	11WG 1/10W 4.71C 3/6 0003
ICs		
S-U121	3100-3551-0	SI INSULATOR 12X18
U101	3131-3980-0	IC 74HC153 QUAD 4-INPUT
U102	3131-3870-0	IC 74HC157 QUAD 2-INPUT
U103	3131-3700-0	IC CS5331A 18BIT A/D
U104	3130-9560-0	NJM5532 IC 'DIP8'
U105	3131-3720-0	IC CS4926 DSP CRYSTAL
U106, U107	3130-8980-0	IC 74HC574 8X D-TYPE
U108	3131-9320-0	IC AT27C020-70 256KX8
U109	3130-9560-0	NJM5532 IC 'DIP8'
U110	3130-8890-0	IC CS8414 DIR 96KHZ
U111-U113	3131-3710-0	IC CS4340 D/A CONVERTER
U114	3131-9100-0	IC 74HCU04 HEX INVERTERS
U115	3130-6590-0	IC 74HC74 DUAL D-TYPE
U116	3130-9560-0	NJM5532 IC 'DIP8'
U117	3130-6590-0	IC 74HC74 DUAL D-TYPE
U118, U119	3131-9050-0	IC 74HC00 QUAD 2I/P NAND
U120	3130-6590-0	IC 74HC74 DUAL D-TYPE
U121	3130-5610-0	IC LM317T+ADJ REGULATOR
U123	3130-2020-2	IC 7805 REG 5V

Reference No.	Part No.	<u>Description</u>
U125	3130-2020-3	IC 7805 REG 5V 1.5A
U131	3130-0890-0	IC NJM4558D DUAL OP AMP.
U134	3130-9560-0	NJM5532 IC 'DIP8'
SURROUND AMP BOARD		
2000	PCB-N0A00C-AMP2	SL/SR POWER AMP ASSEMBLY
CAPACITORS		
C201	157F-106M-5-IUE	CE 50V 10µF 20% RL 5X11
C202, C203	150F-101K-2-FC	CC 50V 100pF 10% AT 3.5x
C204 C205	150F-470K-2-GD 157C-227M-5-KW	CC 50V 47P 10% AT CE 10V 220µF 20% RL 6x12
C203 C206, C207	1576-227M-5-KW	CE 50V 10µF 20% RL 5X11
C208	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C209	157F-106M-5-IUE	CE 50V 10µF 20% RL 5X11
C210, C211	150F-101K-2-FC	CC 50V 100pF 10% AT 3.5x
C212	150F-470K-2-GD	CC 50V 47P 10% AT
C213	157C-227M-5-KW	CE 10V 220µF 20% RL 6x12
C214, C215	157F-106M-5-IUE	CE 50V 10µF 20% RL 5X11
C216	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C217, C218	150F-104K-2-FC	CC 50V 0.1µF 10% AT
C220, C221	8910-0112-0	CE 63V 8200µF 20% RL
C223, C224	157I-477M-5-W&A	CE 63V 470µF 20% RL 12.5
DIODES		
D201-D204	4804-1480-C	DIODE 1N4148 ATS
D205, D206	4804-0010-2	DIODE 1N4001 AT
D207	4804-1480-C	DIODE 1N4148 ATS
D217	4840-7060-0	DIODE BRIDGE RS804M
WAFERS		
J602A	2102-031S-004	3 PIN ST. WAFER
J702B	2102-051S-004	5P ST.WAFER
M704B	2101-9400-0	JM2422-3M WAFER
COILS		
L201, L202	1804-0540-0	SPRING COIL 1MH
RELAY	4500 0040 0	DEL 10/10/01/DO 105//101
M201	4500-0910-0	RELAY 24VDC,125VA,3A
WIRE CON ASSY		
JP211	7012-6224-0	WIRE CON ASSY 4P P=3.96
P201	7012-6205-0	WIRE CON ASSY 3P P=3.96
TRANSISTORS		
Q201, Q202	4860-0190-5	TR 2SC 1845 (F.E) RL
Q203	4860-8910-0	TR MPS A56 VCE 80V NS
Q204, Q205	4860-8890-0	TR MPS A06 VCE 80V NS
Q206	4860-8910-0	TR MPS A56 VCE 80V NS
Q207	4860-8890-0	TR MPS A06 VCE 80V NS
Q208	4860-5210-5	TR 2SC5198-0 HFE 80-160
Q209	4860-5220-5	TR 2SA1941-0 HFE 80-160
Q210, Q211	4860-0190-5	TR 2SC 1845 (F.E) RL
Q212	4860-0190-5	TR 2SC 1845 (F.E) RL
Q213	4860-8910-0	TR MPS A56 VCE 80V NS

Reference No.	Part No.	<u>Description</u>
Q214	4860-8890-0	TR MPS A06 VCE 80V NS
Q215	4860-8900-0	TR MPS A13 VCE 100V
Q216	4860-8890-0	TR MPS A06 VCE 80V NS
Q217	4860-8910-0	TR MPS A56 VCE 80V NS
Q218	4860-5210-5	TR 2SC5198-0 HFE 80-160
Q219	4860-5220-5	TR 2SA1941-0 HFE 80-160
Q220	4860-0190-5	TR 2SC 1845 (F.E) RL
Q221	485C-123J-5	TR DTC123JSA ROHM
RESISTORS		
R201	4701-103J-C	RCF 1/8W 10K 5% ATS
R202	4701-681J-C	RCF 1/8W 680R 5% ATS
R203	4701-512J-C	RCF 1/8W 5.1K 5% ATS
R204	4701-622J-C	RCF 1/8W 6.2K 5% ATS
R205	4701-471J-C	RCF 1/8W 470R 5% ATS
R206	4701-100J-C	RCF 1/8W 10R 5% ATS
R207, R208	4701-122J-C	RCF 1/8W 1.2K 5% ATS
R209	4701-121J-C	RCF 1/8W 120R 5% ATS
R210	4705-331J-2	RCF 1/4W 330R 5% AT
R211, R212	4717-2R2J-2	RMF 1/2W 2.2R 5% AT
R213	474B-R22K-5-02	RWR 5W 0.22R X2 10% RL
R214	4701-272J-C	RCF 1/8W 2.7K 5% ATS
R215	4701-471J-C	RCF 1/8W 470R 5% ATS
R216	4701-333J-C	RCF 1/8W 33K 5% ATS
R217	4701-473J-C	RCF 1/8W 47K 5% ATS
R218	4701-103J-C	RCF 1/8W 10K 5% ATS
R219	4701-1030-0 4701-512J-C	RCF 1/8W 5.1K 5% ATS
R220	4701-5123-C 4701-622J-C	RCF 1/8W 6.2K 5% ATS
R221	4701-6223-C 4701-681J-C	RCF 1/8W 680R 5% ATS
R222	4701-0813-C 4701-471J-C	RCF 1/8W 470R 5% ATS
R223	4701-333J-C	RCF 1/8W 33K 5% ATS
R224		RCF 1/8W 10K 5% ATS
	4701-103J-C	
R225	4701-100J-C	RCF 1/8W 10R 5% ATS
R226	4701-122J-C	RCF 1/8W 1.2K 5% ATS
R227	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R228	4701-121J-C	RCF 1/8W 120R 5% ATS
R229	4705-331J-2	RCF 1/4W 330R 5% AT
R230, R231	4717-2R2J-2	RMF 1/2W 2.2R 5% AT
R234	474B-R22K-5-02	RWR 5W 0.22R X2 10% RL
R235	4701-272J-C	RCF 1/8W 2.7K 5% ATS
R236	4701-471J-C	RCF 1/8W 470R 5% ATS
R237	4701-333J-C	RCF 1/8W 33K 5% ATS
R238	4701-473J-C	RCF 1/8W 47K 5% ATS
R239, R240	4718-R22J-2	RMF 1W 0.22R 5% AT
R241, R242	4718-8R2J-2-X	RMF 1W 8.2R 5% AT
R243, R244	4718-R22J-2	RMF 1W 0.22R 5% AT
R245	4701-333J-C	RCF 1/8W 33K 5% ATS
R270	4701-103J-C	RCF 1/8W 10K 5% ATS
VOLUMES		
VR201, VR202	4756-1026-3-06	SVR 1K H3 7X7.6 RH0615C
ZENERS		
Z201, Z202	4837-10V6-2	DZ 1/2W 10V TEMIC AT

Reference No.	Part No.	Description
AUDIO ASSEMBLY		
3000	PCB-N0A00C-AUD	AUDIO ASSEMBLY
CAPACITORS C301-C306	150F-101K-2-FC	CC 50V 100pF 10% AT 3.5x
C309-C314	150F-101K-2-FC	CC 50V 100pF 10% AT 3.5x CC 50V 100pF 10% AT 3.5x
C315, C316	150F-103K-2-FC	CC 50V 0.01µF 10% AT 3.5
C317, C318	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C319-C324	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C325, C326	157D-107M-5-IU 157D-476M-5-IU	CE 16V 100µF 20% RL 5x11 CE 16V 47µF 20% RL 5x11
C327, C328	137D-476W-5-10	GE 16V 47μF 20% HL 3X11
SOCKETS / JACKS		
J709B, J710B	2101-1801-0	SOCKET (PCB/PCB) 10P
M301, M302	2113-1677-0	6P RCA JACK R/W NI
TRANSISTOR		
Q301	485C-144E-5	TR DTC144ES ROHM
BEGGETORG		
RESISTORS R329-R331	4701-102J-C	RCF 1/8W 1K 5% ATS
R303, R304, R306, R308	4701-1023-C	RCF 1/8W 1M 5% ATS
R310, R312, R319, R320	4701-105J-C	RCF 1/8W 1M 5% ATS
R323, R324, R327, R328	4701-105J-C	RCF 1/8W 1M 5% ATS
R309, R311, R315, R316	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R321, R322, R325, R326	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R301, R302, R305, R307	4701-331J-C	RCF 1/8W 330R 5% ATS
ICs		
U301	3130-3870-0	IC HCF4053BT
U302	3131-3570-0	IC TC9273N-004 ANALOG
ZENERS		
Z301, Z302	4837-7B51-2	DZ 1/2W 7.07~7.45V ROHM
DIG ASSEMBLY		
1200	PCB-N0A00C-DIG	DIG ASSEMBLY
	. 02	
JACKS	0400 4040 004	WASSER 40R R0 5 OT
J101B 1063, 1064	2102-101S-004 2113-1311-0	WAFER 10P P2.5 ST. 1P RCA JACK BK NI
1065, 1064	2113-1311-0	JACK RCA 2P YL NICKEL-
1000	2110 1777 0	O/IOICHO/IEI TETRIOREE
RECEIVER	1011 5005 6	LIGHT DV INIT ODITION
1062	4811-F32R-3	LIGHT RX UNIT GPIF32R
CAPACITORS		
C763, C764	150F-104K-2-FC	CC 50V 0.1µF 10% AT
C765, C766	150F-223K-2-FD	CC 50V 0.022µF 10% AT
DIODES		
D756-D759	4804-1480-C	DIODE 1N4148 ATS
RESISTORS R759, R760	4701-102J-C	RCF 1/8W 1K 5% ATS
R761	4701-101J-C	RCF 1/8W 100R 5% ATS

Reference No.	Part No.	<u>Description</u>
R762	4701-104J-C	RCF 1/8W 100K 5% ATS
<i>IC</i> U761	3130-7370-0	IC 74HCT00 NAND GATE
KEY ASSEMBLY 2200	PCB-N0A00C-KEY	KEY ASSEMBLY
LED DISPLAY 2119	2460-1890-2	VFD 12-MT-84GNK FUTABA
CAPACITORS C205, C207 C203, C204 C201 C206 C208, C210, C212 C209 C202	150F-104Z-5-IU 150F-220K-5-GG 157B-107M-5-KM 157B-227M-5-KW 157D-476M-5-IU 157E-335M-5-GM 150F-103K-2-FC	CC 50V 0.1µF +80/-20% RL CC 50V 22pF 10% RL 4x4 CE 6.3V 100µF 20% RL 6x7 CE 6.3V 220µF 20% RL CE 16V 47µF 20% RL 5x11 CE 25V 3.3µF 20% RL 4x7 CC 50V 0.01µF 10% AT 3.5
DIODES D212 D201,D202,D205 D206,D209,D210,D213	4804-0010-2 4804-1480-C 4804-1480-C	DIODE 1N4001 AT DIODE 1N4148 ATS DIODE 1N4148 ATS
ZENER D214 D203, D211	4837-4C20-2 4837-5B61-2	DZ 1/2W 5.0-5.2V AT DZ 1/2W 5.45-5.73 ROHM
FLEXIBLES J203A, J206A	2101-1581-0	FLEXIBLE CONN. 35P
WIRE CON ASSY J208B J207A J202A J201A	7702-1120-2004 7703-1150-2004 7704-1200-2004 7705-1410-2004	WIRE CON ASSY 2P P=2.5 WIRE CON ASSY 3P P=2.5 CN ASSY 4P P=2.5 L=200 CONN ASSY 5P P2.5 L=410
COIL L201	1801-220K-M	COIL 22µH 10% AL BL7
MISCELLANEOUS M218 M218 2118	2954-3008-0000 4132-1061-0 4152-5741-0	TAPPING 3X8MM B-TITE SOLDER TAG HOLDER (FL)
CRYSTAL M219	2300-3150-0	CRYSTAL 10MHZ +/-30PPM
SWITCHES M201-M217, M222	5200-3538-0	SWITCH, TACT SKHHBY 7MM
TRANSISTOR M218 Q203 Q202	4814-3TE2-3 485C-114E-5 485C-144E-5	IR SENSOR PIC-12043TE2 TR DTC114ES TR DTC144ES ROHM

Reference No.	Part No.	<u>Description</u>
Q201	4860-0050-5	TR SS8050 C/D SAMSUNG RL
RESISTORS		
I I	4704 004 1 0	DOE 1/0M COOD FO/ ATC
R201-R203	4701-681J-C	RCF 1/8W 680R 5% ATS
R204-R206	4701-821J-C	RCF 1/8W 820R 5% ATS
R207-R209	4701-182J-C	RCF 1/8W 1.8K 5% ATS
R210-R212	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R213,R214	4701-472J-C	RCF 1/8W 4.7K 5% ATS
R215-R218	4701-103J-C	RCF 1/8W 10K 5% ATS
R219	4701-472J-C	RCF 1/8W 4.7K 5% ATS
R220, R221	4701-471J-C	RCF 1/8W 470R 5% ATS
R222	4701-473J-C	RCF 1/8W 47K 5% ATS
R223	4701-474J-C	RCF 1/8W 470K 5% ATS
R224	4701-102J-C	RCF 1/8W 1K 5% ATS
R225, R226	4701-103J-C	RCF 1/8W 10K 5% ATS
R228-R231	4701-223J-C	RCF 1/8W 22K 5% ATS
R232-R246	4701-103J-C	RCF 1/8W 10K 5% ATS
R247-R250	4701-473J-C	RCF 1/8W 47K 5% ATS
R251-R261	4701-103J-C	RCF 1/8W 10K 5% ATS
R262	4701-1000-C	RCF 1/8W 22K 5% ATS
R263-R274	4701-104J-C	RCF 1/8W 100K 5% ATS
R275	4701-562J-C	RCF 1/8W 5.6K 5% ATS
R280	4701-302J-C 4701-102J-C	RCF 1/8W 1K 5% ATS
R283	4701-1023-C 4701-471J-C	RCF 1/8W 470R 5% ATS
R284	4701-752J-C	RCF 1/8W 7.5K 5% ATS
R287, R288	4701-103J-C	RCF 1/8W 10K 5% ATS
ICs		
U201	3131-3810-0	IC LC87F65C8A 8-BIT MCU
U202	3131-3920-0	IC EEPROM 24C02 2KBIT
LED BOARD ASSEMBLY		
8000	PCB-N0A00C-LED	LEDBOARD ASSEMBLY
WAFER	0400 0000 0 400	WASSER O RIN OMA
J208A	2102-8002-3-100	WAFER 2 PIN 9MM
LED		
	3700-2489-G	LED 3MM GREEN SP
MAIN ASSEMBLY		
MAIN ASSEMBLY 7000	PCB-N0A00C-MAIN	MAIN ACCEMBLY
7000	FUD-INUAUUU-IVIAIIN	MAIN ASSEMBLY
CAPACITORS		
C701	150F-104K-2-FC	CC 50V 0.1µF 10% AT
C717	157E-338M-5-5\$	CE 25V 3300F 20% RL
C718	157E-108M-5-X&	CE 25V 1000µF 20% RL
C720,C721	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C722, C723, C732	157F-106M-5-GM	CE 50V 10µF 20% RL 4x7
C726	157F-476M-5-IU	CE 50V 47µF 20% RL 5x11
C727	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C728, C729	157F-107M-5-OW	CE 50V 100µF 20% RL 8x12
C730, C731	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C7701-C7710	157F-106M-5-GM	CE 50V 10µF 20% RL 4x7
C7701-C7716	150F-101K-2-FC	CC 50V 100pF 20% AC 4x7 CC 50V 100pF 10% AT 3.5x
C7711-C7718	157C-227M-5-KW	CE 10V 220µF 20% RL 6x12
01111, 01118	1370-227101-3-1700	טב וטע בבטµו בטיס הב טגוב

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Reference No.	Part No.	<u>Description</u>
C7720-C7722	150F-470J-2-FC	CC 50V 47PF 5% AT 3.5X2
C7723-C7729	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C7730	157D-107M-5-IU	CE 16V 100µF 20% RL 5x11
C7731-C7733	150F-104K-2-FC	CC 50V 0.1µF 10% AT
C7739, C7740	157I-477M-5-X&	CE 63V 470μF 20% RL
C7741, C7742	157D-476M-5-IM	CE 16V 47µF 20% RL 5X7
C7743, C7744	157I-477M-5-W&A	CE 63V 470µF 20% RL 12.5
DIODES		
D723	4804-0010-2	DIODE 1N4001 AT
D701-D704	4804-0040-2	DIODE IN4004 AT
D719-D721	4804-0040-2	DIODE IN4004 AT
D7714, D7715	4804-0040-2	DIODE IN4004 AT
D730, D737	4804-1480-C	DIODE 1N4148 ATS
D7701-D7712	4804-1480-C	DIODE 1N4148 ATS
D715-D718	4805-3930-2	DIODE 1N5393 200V 1.5A
MISCELLANEOUS		
	2954-2606-0000	SCREWS BT 2.6X6
	2954-3008-0000	TAPPING 3X8MM B-TITE
GND	4132-1061-0	SOLDER TAG
and	1102 1001 0	GOLD LITTING
WAFERS		
J206B	2101-1591-0	FLEXIBLE CONN. 35P P1.25
J703A,J705A,J706A,J709A	2101-1621-0	WAFER (PCB/PCB) 10P P2.0
J710A,J714A,-J716A	2101-1621-0	WAFER (PCB/PCB) 10P P2.0
J704A	2101-1641-0	WAFER (PCB/PCB) 16P P2.0
J7001,J701B	2102-031S-004	3 PIN ST. WAFER
J401B	2102-111S-004	11P ST.WAFER
M712-M714	2113-1160-0	WAFER 2P ST. P=2.5 NH
COILS		
L7701-C7703	1804-0540-0	SPRING COIL 1MH
RELAYS		
M7702	4500-0900-0	RELAY 24VDC,250VAC,10A
M7701	4500-0910-0	RELAY 24VDC,125VA,3A
	.000 00 10 0	
HEATSINK	E400 0004 0	LICATOINIZ
M702	5400-0831-0	HEATSINK
M701,M703	5400-1702-0	HEATSINK 23.5X17X50
WIRE CON ASSY		
M707A	7012-6203-0	WIRE CON ASSY 4P P=3.96
M704A	7012-6204-0	WIRE CON ASSY 3P P=3.96
M705A	7012-6206-0	WIRE CON ASSY 2P P=3.96
J702A	7705-1180-2004	WIRE CON ASSY 5P P=2.5
TRANSISTORS		
Q7732	4850-992F-5	TR 2SA992 HFE 300-600
Q7734, Q7735	485C-123J-5	TR DTC123JSA ROHM
Q7713-Q7723	4860-0190-5	TR 2SC 1845 (F.E) RL
Q724	4860-0660-5	TR 2SA1015 (G.R.) RL
Q7727, Q7728, Q7733	4860-5210-5	TR 2SC5198-0 HFE 80-160
Q7729-Q7731	4860-5220-5	TR 2SA1941-0 HFE 80-160
Q7707-Q7712	4860-8890-0	TR MPS A06 VCE 80V NS

Reference No.	Part No.	Description
07704 07706	4960 9000 0	TR MPS A13 VCE 100V
Q7724-Q7726 Q7701-Q7726	4860-8900-0 4860-8910-0	TR MPS A56 VCE 80V NS
Q7701-Q7720 	4000-0310-0	TH WIFS ASO VOL BOV INS
RESISTORS		
R703, R705	4701-102J-C	RCF 1/8W 1K 5% ATS
R704, R706	4701-104J-C	RCF 1/8W 100K 5% ATS
R731	4701-102J-C	RCF 1/8W 1K 5% ATS
R732	4701-333J-C	RCF 1/8W 33K 5% ATS
R733, R724	4718-391J-2-X	RMF 1W 390R 5% AT
R756, R757	4701-123J-C	RCF 1/8W 12K 5% ATS
R7701-R7708	4701-103J-C	RCF 1/8W 10K 5% ATS
R7709	4711-102A-2	RMF 1/8W 1K 1% AT
R7711-R7713	4701-681J-C	RCF 1/8W 680R 5% ATS
R7714-R7719	4701-471J-C	RCF 1/8W 470R 5% ATS
R7720-R7722	4701-100J-C	RCF 1/8W 10R 5% ATS
R7723-R7725	4701-622J-C	RCF 1/8W 6.2K 5% ATS
R7726-R7728	4701-512J-C	RCF 1/8W 5.1K 5% ATS
R7729-R7735	4701-333J-C	RCF 1/8W 33K 5% ATS
R7737-R7739	4701-121J-C	RCF 1/8W 120R 5% ATS
R7740-R7742	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R7743-R7745	4701-122J-C	RCF 1/8W 1.2K 5% ATS
R7746	4701-152J-C	RCF 1/8W 1.5K 5% ATS
R7749-R7751	4715-331A-2	RMF 1/4W 330R 1% AT
R7752-R7759	4717-2R2J-C	RMF 1/2W 2.2R 5% ATS
R7760-R7762	474B-R22K-5-02	RWR 5W 0.22R X2 10% RL
R7763-R7765	4701-272J-C	RCF 1/8W 2.7K 5% ATS
R7766	4701-223J-C	RCF 1/8W 22K 5% ATS
R7767-R7770	4701-473J-C	RCF 1/8W 47K 5% ATS
R7771-R7773	4718-R22J-2	RMF 1W 0.22R 5% AT
R7774-R7776	4718-8R2J-2-X	RMF 1W 8.2R 5% AT
R7777, R7778	4701-122J-C	RCF 1/8W 1.2K 5% ATS
R7779, R7780	4701-512J-C	RCF 1/8W 5.1K 5% ATS
R7781	4701-102J-C	RCF 1/8W 1K 5% ATS
VR7701-VR7703	4756-1026-3-06	SVR 1K H3 7X7.6 RH0615C
THERMISTOR		
TR7701 ⚠	8910-0491-0	NTC THERMISTOR 1K (B)
	3313 3131 3	(3)
ICs		
U701	3131-4850-0	IC NJM5532M JRC (SMD)
U721, U7701	3130-2520-3	IC 7812 12V REGULATOR
U722	3130-3800-0	IC UPC79M12HF REGULATOR
U723	3130-8190-0	IC NJM78M56FA 5.6V
U726	3131-9110-0	IC 74HC08 AND GATES(SOP)
ZENERS		
Z7701-Z7703	4837-10V6-2	DZ 1/2W 10V TEMIC AT
D722	4837-27V0-2	DZ 1/2W 27V(26.2-27.6)AT
		() () () ()
MULTI CH ASSEMBLY		MULTICUACCEMBLY
6300	PCB-N0A00C-MUTI	MULTI CH ASSEMBLY
CAPACITORS		
C601-C606	150F-101K-2-FC	CC 50V 100pF 10% AT 3.5x
C6100, C6101	157F-106M-5-GM	CE 50V 10µF 20% RL 4x7
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Reference No.	Part No.	<u>Description</u>
C6103, C6104	150F-104K-2-FC	CC 50V 0.1µF 10% AT
C611, C614, C615	157D-226M-5-II	CE 16V 22µF 20% RL 5x5
C612	150F-103K-2-FC	CC 50V 0.01µF 10% AT 3.5
C613	157D-227M-5-KW	CE 16V 220µF 20% RL 6x12
C617, C618, C639	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C619-C622	157D-475M-5-IU	CE 16V 4.7µF 20% RL 5x11
C623, C624, C660	157D-106M-5-IU	CE 16V 10µF 20% RL 5x11
C625-C628	157D-226M-5-II	CE 16V 22µF 20% RL 5x5
C629-C632	157D-476M-5-IM	CE 16V 47µF 20% RL 5X7
C633, C636	157D-334M-5-IU	CE 16V 0.33µF 20% RL 5X11
C634, C637	153F-153J-5-KP	CM 50V 0.015µF 5% RL
C635, C638	153F-822J-5-KW	CM 50V 8200pF 5% RL 6x12
C640, C642, C649,	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C641	150F-104K-2-FC	CC 50V 0.1µF 10% AT
C643,C650,C657,C663	150F-221K-2-FC	CC 50V 220pF 10% AT 3.5x
C644,C646,C651,C653	150F-101K-2-FC	CC 50V 100pF 10% AT 3.5x
C645,C648,C652,C659	157F-106M-5-IU	CE 50V 10µF 20% RL 5x11
C655,C662,C669,C675	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C658,C664,C671,C677	150F-101K-2-FC	CC 50V 100pF 10% AT 3.5x
C661,C665,C668,	157F-106M-5-IU	CE 50V 10µF 20% RL 5x11
C666,C670,C673,C676	150F-221K-2-FC	CC 50V 220pF 10% AT 3.5x
C672,C678,C680	157F-106M-5-IU	CE 50V 10µF 20% RL 5x11
C681,C682	157D-476M-5-IM	CE 16V 47µF 20% RL 5X7
C683-C686	157D-106M-5-IU	CE 16V 10µF 20% RL 5x11
C687,C688	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C702,C706,C710,C712,C740	157D-475M-5-IU	CE 16V 4.7µF 20% RL 5x11
0702,0700,0710,0712,0740	10710 475101 5 10	ου τον 4.7μι 2070 τις 3λττ
DIODES / ZENER		
D601	4804-1480-2	DIODE 1N4148 AT
D602-D604	4837-7B51-2	DZ 1/2W 7.07~7.45V ROHM
WAFERS / JACKS		
J705B,J706B	2101-1801-0	SOCKET (PCB/PCB) 10P
J602A	2102-031S-004	3 PIN ST. WAFER
M603,M604	2113-1310-0	2P RCA JACK BK/BK NI
M601,M602	2113-1678-0	4P RCA JACK R/W NI
WIGG 1,WIGGE	2110 1070 0	ii Hortoriert III
COILS	1001 101K M	0011 100-11 100/
L601,L602	1801-101K-M	COIL 100μH 10%
TRANSISTORS		
Q601,Q602	485C-114E-5	TR DTC114ES
Q603,Q604	4860-0770-5	TR 2SC2878 (A,B) RL
Q605,Q606	4860-0050-5	TR SS8050 C/D SAMSUNG RL
Q607	4860-0060-5	TR SS8550 C/D SAMSUNG RL
Q608	485A-114E-5	TR DTA114ESA ROHM
Q609,Q611	4860-0770-5	TR 2SC2878 (A,B) RL
Q613	485A-114E-5	TR DTA114ESA ROHM
Q614,Q615	4860-0770-5	TR 2SC2878 (A,B) RL
Q616	485A-114E-5	TR DTA114ESA ROHM
Q617,Q619	4860-0770-5	TR 2SC2878 (A,B) RL
Q621	485A-114E-5	TR DTA114ESA ROHM
Q622,Q701-Q704,C706	4860-0770-5	TR 2SC2878 (A,B) RL
RESISTORS		
R601,R603,R605	4701-331J-C	RCF 1/8W 330R 5% ATS
1 100 1 ,1 1000 ,1 1000	7701 0010 0	1.01 1/011 00011 0/0 /110

R6016,R6109	Reference No.	Part No.	<u>Description</u>
R8017, R8108	R6016.R6109	4720-102ป-ป	RMG 1/10W 1K 5% 0805
R602,R604,R606	The state of the s		
R607,R609,R611	I '		
R60B_R610_R612			
R6102.R659,R660			
R6102-R6105			
Ref1, Ref1, Ref1, Ref18 Ref1, Ref1, Ref18 Ref1, Ref16 Ref1, Ref25 Ref26 Ref26 Ref27 Ref27 Ref28 Ref27 Ref28, Ref29 Ref29 Ref30, Ref31 Ref31 Ref32, Ref31 Ref32, Ref31 Ref32, Ref31 Ref32, Ref31 Ref32, Ref31 Ref32, Ref4, Ref50, Ref55 Ref4, Ref52 Ref4, Ref50, Ref55 Ref4, Ref52 Ref4, Ref52 Ref4, Ref53 Ref52, Ref63 Ref52, Ref63 Ref64, Ref65, Ref663 Ref64, Ref65, Ref664 Ref64, Ref67, Ref60 Ref64 Ref64, Ref67, Ref60 Ref64 Ref67, Ref67, Ref60 Ref64 Ref67, Ref67 Ref67, Ref60 Ref64 Ref67, Ref67 Ref67 Ref67, Ref67 Ref687 Ref67 R		4701-563J-C	RCF 1/8W 56K 5% ATS
R615,R616 R619-R625 R629 R627 R627 R628,R629 R628,R629 R632-R637 R632,R637 R632,R637 R634,R651,R663 R644,R651,R665 R644,R652 R644,R652 R644,R652 R644,R652 R644,R653 R644,R653 R644,R653 R644,R653 R644,R654 R646,R654 R646,R654 R646,R657,R656 R654,R665,R666 R654,R665,R666 R664,R674,R650,R77,R680 R668,R704,R709,R717 R668,R704,R709,R717 R668,R704,R709,R717 R668,R704,R709,R717 R673,R681,R693 R673,R681,R693 R673,R681,R693 R673,R681,R693 R673,R681,R693 R673,R681,R693 R673,R681,R693 R673,R681,R693 R673,R681,R693 R674,R652,R666 R674,R652,R666 R674,R652,R667 R674,R652,R667 R675,R676,R676 R675,R676,R676 R675,R676,R676 R675,R676,R676 R675,R676,R676 R675,R676 R675,R676 R675,R676 R676,R677 R676 R677 R677 R677 R677	R6110,R6111	4701-102J-C	RCF 1/8W 1K 5% ATS
R619-R625	R613,R614,R617,R618	4701-333J-C	RCF 1/8W 33K 5% ATS
Re26	R615,R616	4701-103J-C	RCF 1/8W 10K 5% ATS
R627 4701-393.J-C RCF 1/8W 39K 5% ATS R629, R630 4701-203.J-C RCF 1/8W 6.3K 5% ATS R630, R631 4701-882.J-C RCF 1/8W 6.3K 5% ATS R638, R640, R641 4701-104.J-C RCF 1/8W 100K 5% ATS R642, R647, R650, R655 4701-563.J-C RCF 1/8W 11K 5% ATS R644, R652 4701-152.J-C RCF 1/8W 56K 5% ATS R644, R652 4701-471.J-C RCF 1/8W 56K 5% ATS R654, R666, R666 4701-471.J-C RCF 1/8W 470R 5% ATS R664, R665, R666 4701-471.J-C RCF 1/8W 470R 5% ATS R667, R677, R680 4701-583.J-C RCF 1/8W 56K 5% ATS R667, R697 4720-583.J-J RCF 1/8W 2470R 5% ATS R667, R697 4720-583.J-J RMG 1/10W 56K 5% ATS R669, R697 4720-221.J-J RMG 1/10W 100K 5% 0805 R670, R671, R689 4701-152.J-C RCF 1/8W 24 5% ATS R674, R682, R694 4701-152.J-C RCF 1/8W 24 5% ATS R675, R676, R683 4701-471.J-C RCF 1/8W 24 5% ATS R685, R692 4701-471.J-C RCF 1/8W 24 5% ATS R695, R693 47	R619-R625	4701-103J-C	RCF 1/8W 10K 5% ATS
Re28, Re29	R626	4701-123J-C	RCF 1/8W 12K 5% ATS
R630,R631	R627	4701-393J-C	RCF 1/8W 39K 5% ATS
R632-R637 R638,R640,R641 R642,R647,R650,R655 R643,R661,R663 R644,R652 R644,R652 R644,R652 R645,R646,R653 R646,R653 R654,R666,R666 R652,R672,R677,R680 R662,R672,R677,R680 R668,R704,R709,R717 R668,R704,R709,R717 R668,R704,R709,R717 R677,R681,R683 R677,R681,R683 R677,R680 R677,R671,R689 R677,R681,R683 R677,R680,R671,R680 R677,R671,R689 R677,R671,R689 R677,R671,R689 R677,R671,R689 R677,R671,R680 R677,R681,R693 R677,R683 R677,R684 R685,R692 R677,R683 R677,R680 R690,R707,R709 R681,R009 R681,R009 R690,R707,R709 R707,R710,R724 R707,R710,R724 R707,R710,R724 R707,R710,R724 R707,R710,R724 R707,R710,R724 R707,R710,R724 R707,R710,R724 R707,R710,R724 R707,R710 R707,R710,R724 R707,R710,R724 R707,R710,R724 R707,R710,R724 R707,R710,R724 R707,R710,R724 R707,R710,R724 R707,R710,R724 R707,R707,R709 R707,R710,R724 R707,R710,R724 R707,R720,R730 R707,R740 R707,R740 R707,R740 R707,R740 R707,R740 R707,R740 R707,R740 R707,R	R628,R629	4701-203J-C	RCF 1/8W 20K 5% ATS
R638,R640,R641	R630,R631	4701-682J-C	RCF 1/8W 6.8K 5% ATS
R642, R647, R650, R665 4701-563J-C RCF 1/8W 56K 5% ATS R644, R652 4701-752J-C RCF 1/8W 1.5K 5% ATS R645, R666, R665 4701-471J-C RCF 1/8W 470R 5% ATS R652, R666, R666 4701-471J-C RCF 1/8W 470R 5% ATS R662, R672, R677, R680 4701-563J-C RCF 1/8W 470R 5% ATS R662, R672, R677, R680 4701-153J-C RCF 1/8W 15K 5% ATS R667, R697 4720-563J-J RCF 1/8W 15K 5% ATS R668, R704, R709, R717 4720-104J-J RMG 1/10W 56K 5% 0805 R669 4720-221J-J RMG 1/10W 56K 5% 0805 R670, R671, R689 4701-22J-C RCF 1/8W 2K 5% ATS R673, R681, R693 4701-752J-C RCF 1/8W 15K 5% ATS R675, R676, R683 4701-471J-C RCF 1/8W 75K 5% ATS R685, R692 4701-563J-C RCF 1/8W 70R 5% ATS R680, R706, R707, 4720-202J-J RMG 1/10W 2K 5% 0805 R690, R706, R707, 4720-202J-J RMG 1/10W 2K 5% 0805 R702, R710, R724 4720-101J-J RMG 1/10W 100R 5% 0805 R701, R713, R720, R745 4720-202J-J RMG 1/10W 100R 5% 0805 <	l .		
R643, R651, R663	1 ' '		
R644,R652 4701-752J-C RCF 1/8W 70.8 5% ATS R645,R646,R653 4701-471J-C RCF 1/8W 470.8 5% ATS R654,R666,R666 4701-471J-C RCF 1/8W 470.8 5% ATS R662,R672,R677,R680 4701-563J-C RCF 1/8W 56K 5% ATS R664 4701-153J-C RCF 1/8W 15K 5% ATS R667,R697 4720-104J-J RMG 1/10W 56K 5% 0805 R668,R704,R709,R717 4720-104J-J RMG 1/10W 100K 5% 0805 R669 4720-221J-J RMG 1/10W 100K 5% 0805 R670,R671,R689 4701-22J-C RCF 1/8W 25 % ATS R673,R681,R693 4701-152J-C RCF 1/8W 1.5K 5% ATS R674,R682,R694 4701-752J-C RCF 1/8W 7.5K 5% ATS R675,R676,R683 4701-471J-C RCF 1/8W 7.5K 5% ATS R684 4701-471J-C RCF 1/8W 70R 5% ATS R685,R692 4701-563J-C RCF 1/8W 470R 5% ATS R690,R706,R707, 4720-202J-J RMG 1/10W 70R 5% 0805 R695,R696 4701-471J-C RCF 1/8W 470R 5% ATS R701,R713 4720-104J-J RMG 1/10W 10R 5% 0805 R701,R714 4720-104J-J RMG			
R645,R645,R665 4701-471J-C RCF 1/8W 470R 5% ATS R654,R665,R666 4701-471J-C RCF 1/8W 470R 5% ATS R662,R672,R677,R680 4701-563J-C RCF 1/8W 15K 5% ATS R664 4701-153J-C RCF 1/8W 15K 5% ATS R667,R697 4720-563J-J RMG 1/10W 10NK 5% 0805 R668,R704,R709,R717 4720-104J-J RMG 1/10W 10NK 5% 0805 R669 4720-221J-J RMG 1/10W 220R 5% 0805 R670,R671,R689 4701-202J-C RCF 1/8W 2K 5% ATS R674,R682,R694 4701-752J-C RCF 1/8W 2K 5% ATS R674,R682,R694 4701-752J-C RCF 1/8W 70R 5% ATS R678,R683 4701-471J-C RCF 1/8W 70R 5% 0805 R684 4720-471J-J RMG 1/10W 470R 5% 0805 R685,R692 4701-563J-C RCF 1/8W 470R 5% ATS R695,R696 4701-471J-C RCF 1/8W 56K 5% ATS R701,R713 4720-000J-J RMG 1/10W 0R 5% 0805 R701,R718 4720-101J-J RMG 1/10W 100R 5% 0805 R715,R723,R740 4720-101J-J RMG 1/10W 100R 5% 0805 R722,R742 4720-101J-J RMG 1/1	1 ' '		
R654,R665,R666	1		
R662,R672,R677,R680	1 ' '		
R664	1 ' '		
R667,R697			
R668,R704,R709,R717	l .		
R669	1		
R670,R671,R689			
R673,R681,R693	l .		
R674,R682,R694	1 ' '		
R675,R676,R683 4701-471J-C RCF 1/8W 470R 5% ATS R684 4720-471J-J RMG 1/10W 470R 5% 0805 R685,R692 4701-563J-C RCF 1/8W 56K 5% ATS R690,R706,R707, 4720-202J-J RMG 1/10W 2K 5% 0805 R695,R696 4701-471J-C RCF 1/8W 470R 5% ATS R701,R713 4720-000J-J RMG 1/10W 0R 5% 0805 R702,R710,R724 4720-101J-J RMG 1/10W 100R 5% 0805 R703,R712,R718 4720-101J-J RMG 1/10W 120R 5% 0805 R715,R723,R740 4720-000J-J RMG 1/10W 0R 5% 0805 R722,R742 4720-104J-J RMG 1/10W 100K 5% 0805 R725,R744 4720-121J-J RMG 1/10W 100K 5% 0805 R728,R743 4720-101J-J RMG 1/10W 120R 5% 0805 R728,R743 4720-101J-J RMG 1/10W 100K 5% 0805 RMG 1/10W 100R 5% 0805 RMG 1/10W 100R 5% 0805 RMG 1/10W 100R 5% 0805 RMG 1/10W 100R 5% 0805 RMG 1/10W 100R 5% 0805 RMG 1/10W 100R 5% 0805 RMG 1/10W 100R 5% 0805 RMG 1/10W 100R 5% 0805 RMG 1/10W 100R 5% 0805 RMG 1/10W 100R 5% 0805 RMG 1/10W 100R 5% 0805 RMG 1/10W 100R 5% 0805 RMG 1/10W 100R 5% 08	1 ' '		
R684 4720-471J-J RMG 1/10W 470R 5% 0805 R685,R692 4701-563J-C RCF 1/8W 56K 5% ATS R690,R706,R707, 4720-202J-J RMG 1/10W 2K 5% 0805 R695,R696 4701-471J-C RCF 1/8W 470R 5% ATS R701,R713 4720-000J-J RMG 1/10W 0R 5% 0805 R702,R710,R724 4720-101J-J RMG 1/10W 100R 5% 0805 R703,R712,R718 4720-121J-J RMG 1/10W 120R 5% 0805 R715,R723,R740 4720-202J-J RMG 1/10W 2K 5% 0805 R719,R720,R745 4720-202J-J RMG 1/10W 2K 5% 0805 R722,R742 4720-104J-J RMG 1/10W 100K 5% 0805 R728,R743 4720-101J-J RMG 1/10W 100K 5% 0805 R728,R743 4720-101J-J RMG 1/10W 100R 5% 0805 RMG 1/10W 100R 5% 0805 RMG 1/10W 100R 5% 0805 RVES,R743 4720-101J-J RMG 1/10W 100R 5% 0805 RVES,R743 4720-101J-J RMG 1/10W 100R 5% 0805 RMG 1/10W 10DR 5% 0805 RMG 1/10W 10DR 5% 0805 RVES,R743 4720-101J-J RMG 1/10W 10DR 5% 0805 RVES,R743 4720-101J-J RMG 1/10W 10DR 5% 0805 RVES,R744 4720-101J-J RMG 1/10W 10DR 5% 080	1 ' '		
R685,R692 4701-563J-C RCF 1/8W 56K 5% ATS R690,R706,R707, 4720-202J-J RMG 1/10W 2K 5% 0805 R695,R696 4701-471J-C RCF 1/8W 470R 5% ATS R701,R713 4720-000J-J RMG 1/10W 0R 5% 0805 R702,R710,R724 4720-101J-J RMG 1/10W 100R 5% 0805 R703,R712,R718 4720-121J-J RMG 1/10W 120R 5% 0805 R715,R723,R740 4720-000J-J RMG 1/10W 0R 5% 0805 R719,R720,R745 4720-202J-J RMG 1/10W 2K 5% 0805 R722,R742 4720-104J-J RMG 1/10W 100K 5% 0805 R728,R743 4720-101J-J RMG 1/10W 100K 5% 0805 ICs U603,U608 3130-0890-0 IC NJM4558D DUAL OP AMP. U601,U602 3130-9560-0 NJM5532 IC 'DIP8' U605,U607,U609 3130-9560-0 NJM5532 IC 'DIP8' U605 3131-4910-0 IC M62446FP MITSUBISHI U701-U703 3130-6060-0 IC NJM4558M OP AMP	1 ' '		
R690,R706,R707, R695,R696	l .		
R695,R696	1		
R701,R713			
R702,R710,R724			
R703,R712,R718 R715,R723,R740 R719,R720,R745 R719,R720,R745 R722,R742 R725,R744 R720-104J-J R728,R743 R728,R743 R720-101J-J RMG 1/10W 120R 5% 0805 RMG 1/10W 0R 5% 0805 RMG 1/10W 100K 5% 0805 RMG 1/10W 100K 5% 0805 RMG 1/10W 100K 5% 0805 RMG 1/10W 120R	1		
R715,R723,R740 R719,R720,R745 R719,R720,R745 R722,R742 R725,R744 R720-104J-J RMG 1/10W 2K 5% 0805 RMG 1/10W 100K 5% 0805 RMG 1/10W 100K 5% 0805 RMG 1/10W 120R 5% 0805 RMG 1/10W 120R 5% 0805 RMG 1/10W 120R 5% 0805 RMG 1/10W 100R 5			
R719,R720,R745 R722,R742 R725,R744 R725,R744 R728,R743 R728,R743 R728,R743 RMG 1/10W 100K 5% 0805 RMG 1/10W 120R 5% 0805 RMG 1/10W 100R 5% 0805 RMG 1/10W 100	1 ' '		
R722,R742 4720-104J-J RMG 1/10W 100K 5% 0805 R725,R744 4720-121J-J RMG 1/10W 120R 5% 0805 R728,R743 4720-101J-J RMG 1/10W 100R 5% 0805 ICs U603,U608 3130-0890-0 IC NJM4558D DUAL OP AMP. U604 3130-3730-1 IC TC9164AN HV ANALOG SW U601,U602 3130-9560-0 NJM5532 IC 'DIP8' U605 3131-4910-0 IC M62446FP MITSUBISHI U701-U703 3130-6060-0 IC NJM4558M OP AMP	1 ' '		
R725,R744	1 ' '		
ICs IC NJM4558D DUAL OP AMP. U603,U608 3130-0890-0 IC NJM4558D DUAL OP AMP. U604 3130-3730-1 IC TC9164AN HV ANALOG SW U601,U602 3130-9560-0 NJM5532 IC 'DIP8' U605 3131-4910-0 IC M62446FP MITSUBISHI U701-U703 3130-6060-0 IC NJM4558M OP AMP	R725,R744	4720-121J-J	RMG 1/10W 120R 5% 0805
U603,U608 3130-0890-0 IC NJM4558D DUAL OP AMP. U604 3130-3730-1 IC TC9164AN HV ANALOG SW U601,U602 3130-9560-0 NJM5532 IC 'DIP8' U605 3131-4910-0 IC M62446FP MITSUBISHI U701-U703 3130-6060-0 IC NJM4558M OP AMP	R728,R743	4720-101J-J	RMG 1/10W 100R 5% 0805
U603,U608 3130-0890-0 IC NJM4558D DUAL OP AMP. U604 3130-3730-1 IC TC9164AN HV ANALOG SW U601,U602 3130-9560-0 NJM5532 IC 'DIP8' U605 3131-4910-0 IC M62446FP MITSUBISHI U701-U703 3130-6060-0 IC NJM4558M OP AMP			
U604 3130-3730-1 IC TC9164AN HV ANALOG SW U601,U602 3130-9560-0 NJM5532 IC 'DIP8' U606,U607,U609 3130-9560-0 NJM5532 IC 'DIP8' U605 3131-4910-0 IC M62446FP MITSUBISHI U701-U703 3130-6060-0 IC NJM4558M OP AMP	l .		
U601,U602 3130-9560-0 NJM5532 IC 'DIP8' U606,U607,U609 3130-9560-0 NJM5532 IC 'DIP8' U605 3131-4910-0 IC M62446FP MITSUBISHI U701-U703 3130-6060-0 IC NJM4558M OP AMP			IC NJM4558D DUAL OP AMP.
U606,U607,U609 3130-9560-0 NJM5532 IC 'DIP8' U605 3131-4910-0 IC M62446FP MITSUBISHI U701-U703 3130-6060-0 IC NJM4558M OP AMP PRIMARY ASSEMBLY	l .		
U605 U701-U703 3130-6060-0 IC M62446FP MITSUBISHI IC NJM4558M OP AMP			
U701-U703 3130-6060-0 IC NJM4558M OP AMP PRIMARY ASSEMBLY			
PRIMARY ASSEMBLY	l .		
	U701-U703	3130-6060-0	IC NJM4558M OP AMP
PCB-N0A00C-PRI PRIMARY ASSEMBLY	PRIMARY ASSEMBLY		
		PCB-N0A00C-PRI	PRIMARY ASSEMBLY

Reference No.	Part No.	<u>Description</u>
PSU ASSEMBLY 7100	PCB-N0A01C-PSU	PSU ASSEMBLYNA00C
CAPACITORS C275 C276 C277 C278	157E-227M-5-PU 150F-223K-2-FD 150F-103K-2-FC 8910-0091-0 150F-102K-2-FC	CE 25V 220µF 20% RL CC 50V 0.022µF 10% AT CC 50V 0.01µF 10% AT CC 400V 0.01µF +-20% RL CC 50V 1000pF 10% AT 3.5
DIODES D261-D264 *AH D265 *C	4804-0040-1 4804-0040-1	DIODE IN4004 AL DIODE IN4004 AL
WAFER / JACK J201B M268	2102-051S-004 2113-1179-0	5P ST.WAFER PHONE JACK D3.5 BK
MISCELLANEOUS P265 P266 M270,M272 *AH M271 *C	4131-9321-0 4131-9321-0 4132-1011-0 4132-1011-0	TERMINAL WRAP TERMINAL WRAP FUSE HOLDER FUSE HOLDER
RELAY M273	4500-0890-0	RELAY 12VDC,250VAC,10A
TRANSISTOR Q260	485C-123J-5	TR DTC123JSA ROHM
RESISTORS R268 R503,R504 R501,R502 R505	4701-103J-C 4701-105J-C 4701-331J-C 4701-820J-C	RCF 1/8W 10K 5% ATS RCF 1/8W 1M 5% ATS RCF 1/8W 330R 5% ATS RCF 1/8W 82R 5% ATS
TRANFORMER T260	1806-2311-0	EI-35 TRANSFORMER 12V/AC
<i>IC</i> U260	3130-2520-3	IC 7812 12V REGULATOR
SECONDARY ASSEMBLY 7200	PCB-N0A00C-SEC	SECONDARY ASSEMBLY
CAPACITORS C281,C282 C260,C262-C264	153I-104J-5-NMN 150F-104K-2-FC	CM 63V 0.1µF RL (7.5X7) CC 50V 0.1µF 10% AT
WAFERS J206A J202B	2101-9400-0 2102-041S-004	JM2422-3M WAFER 4P ST.WAFER
WIRE ASSY J704B	7703-1360-2004	CONN.ASSY 3P P205 L=360

Reference No.	Part No.	<u>Description</u>
RESISTORS		
R260	4717-2R2J-2	RMF 1/2W 2.2R 5% AT
R261-R263	4718-R22J-2	RMF 1W 0.22R 5% AT
SPEAKER ASSEMBLY		
7700	PCB-N0A00C-SPK	SPEAKER ASSEMBLY
04.04.04.00		
CAPACITORS C265-C270	153F-102J-5-IM	CM 50V 1000PF 5% RL 5x7
0200 0270	1001 1020 0 HVI	CIVI 00 V 100011 070 11E 0X7
WAFERS / TERMINALS		
P260,P261	2101-9100-0	JM2422-4M WAFER
P262 M260	2101-9090-0 2113-1664-0	JM2422-2M WAFER 6P SPEAKER TERMINAL R/B
M260 M261	2113-1663-0	4P SPEAKER TERMINAL R/B
IWZ01	2110 1000 0	TO CARETT PERIOR VALUE
S-VIDEO ASSEMBLY		
	PCB-N0A00C-SVD	S-VIDEO ASSEMBLY
CAPACITORS		
C501-C506	157C-476M-5-GM	CE 10V 47uF 20% RL 4X7
C507,C508,5510	157C-477M-5-OU	CE 10V 470UF 20% RL 8X11
C509,C514	157F-225M-5-GM	CE 50V 2.2uF 20% RL 4x7
C513	157D-106M-5-GM	CE 16V 10uF 20% RL 4x7
C516 C521	157D-476M-5-IM 157D-227M-5-KW	CE 16V 47UF 20% RL 5X7 CE 16V 220uF 20% RL 6x12
C522,C523	157D-227M-5-KW 157D-107M-5-IU	CE 16V 100uF 20% RL 5x11
C525-Q527	150F-223K-2-FD	CC 50V 0.022uF 10% AT
C528	150F-104K-2-FC	CC 50V 0.1UF 10% AT
C761	8910-0091-0	CC 400V 0.01UF +-20% RL
DIODES		
D501-D507	4804-1480-C	DIODE 1N4148 ATS
SOCKETS / CONNECTORS	2101-1801-0	SOCKET (PCB/PCB) 10P
J715B,J716B M501-M505	2113-1183-0	1P DIN CONNECTOR HDC-050
Woo'i Woo	2110 1100 0	TI BIN CONNECTON TIBO 000
TRANSISTOR	4050 406 : 5	TD DTO (00 IOA DO) III
Q501,Q507	485C-123J-5	TR DTC123JSA ROHM
Q502,Q503 Q504-Q506	4860-1590-5 4860-0770-5	TR 2SC1740S TR 2SC2878 (A,B) RL
Q508,Q510,Q511	4860-0770-5 4860-0770-5	TR 2SC2878 (A,B) RL TR 2SC2878 (A,B) RL
Q509	485C-144E-5	TR DTC144ES ROHM
Q512,Q513,Q516	485C-114E-5	TR DTC114ES
Q514,Q515	4860-0770-5	TR 2SC2878 (A,B) RL
Q517,Q526	485C-114E-5	TR DTC114ES
Q518-Q525	485A-933S-5	TR 2SA933S HFE 120-560
RESISTORS		
R501-R506	4701-820J-C	RCF 1/8W 82R 5% ATS
R511,R531	4701-104J-C	RCF 1/8W 100K 5% ATS
R512	4701-102J-C	RCF 1/8W 1K 5% ATS
R513	4701-102J-C 4701-561J-C	RCF 1/8W 1K 5% ATS RCF 1/8W 560R 5% ATS
R514,R518 R515	4701-561J-C 4701-563J-C	RCF 1/8W 56K 5% ATS
1.010	7701 0000 O	TEST TOTAL SOIL STOPATO

Reference No.	Part No.	<u>Description</u>
R516	4701-221J-C	RCF 1/8W 220R 5% ATS
R517,R528,R536	4701-151J-C	RCF 1/8W 150R 5% ATS
R519,R520,R537	4701-471J-C	RCF 1/8W 470R 5% ATS
R521	4701-680J-C	RCF 1/8W 68R 5% ATS
R522	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R523	4701-333J-C	RCF 1/8W 33K 5% ATS
R524	4701-562J-C	RCF 1/8W 5.6K 5% ATS
R525-R527	4701-102J-C	RCF 1/8W 1K 5% ATS
R529	4701-122J-C	RCF 1/8W 1.2K 5% ATS
R530 R532-R535	4701-822J-C	RCF 1/8W 8.2K 5% ATS
R538-R542	4701-203J-C 4701-102J-C	RCF 1/8W 20K 5% ATS RCF 1/8W 1K 5% ATS
R543-R546	4701-1023-C 4701-203J-C	RCF 1/8W 1K 5% ATS
R547,R548	4701-2033-C 4701-471J-C	RCF 1/8W 470R 5% ATS
R549,R588	4701-102J-C	RCF 1/8W 1K 5% ATS
R550-R552	4701-103J-C	RCF 1/8W 10K 5% ATS
1.000 1.002	1701 1000 0	1161 1/611 1611 6/671116
SWITCH		
SW501	5200-3171-0-01	DPDT SLIDE
IC		
U501	3130-3840-0	IC 4052 QUAD ANALOG SW
ZENERS	_	
Z501	4837-7C51-2	DZ 1/2W 7.29~7.67V ROHM
Z502	4837-7C51-2	DZ 1/2W 7.29~7.67V ROHM
SWITCH ASSEMBLY		
7800	PCB-N0A00C-SW	SWITCH ASSEMBLY
7000	1 OB NOAGOO OW	OWITOTIAGGEMBET
POWER SWITCH		
	5200-3665-0	POWER SWITCH TV5
TUNER ASSEMBLY		
9000	PCB-N0A01C-TUN	TUNER ASSEMBLY
CAPACITORS	.===	
C381-C386	150F-101K-2-FC	CC 50V 100pF 10% AT 3.5x
C902,C903	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C904 C906	157D-106M-5-GM 157D-107M-5-IU	CE 16V 10μF 20% RL 4x7 CE 16V 100μF 20% RL 5x11
C906	150F-200J-2-FC	CC 50V 20pF 5% AT 3.5x2
C911 C912,C913	150F-2003-2-FC 150F-102K-2-FC	CC 50V 200F 3% AT 3.5x2 CC 50V 1000pF 10% AT 3.5
C912,C913 C914,915,C945,C982	150F-101K-2-FC	CC 50V 1000pF 10% AT 3.5x
C916	150F-331K-2-FC	CC 50V 330pF 10% AT 3.5x
C924,C925	15CH-200J-5-GG	CTC 0/60 20pF 5% RL 4x4
C926	153F-333J-5-NLM	CM 50V 0.033µF 5% RL 7.5
C927	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
C928	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C929	157F-224M-5-GM	CE 50V 0.22µF 20% RL 4x7
C930,C932,C941,C949	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C931	157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C942	157D-107M-5-IU	CE 16V 100μF 20% RL 5x11
C943	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
C944	157F-475M-5-GM	CE 50V 4.7µF 20% RL 4x7
C946	157F-105M-5-GM	CE 50V 1µF 20% RL 4x7

Reference No.	Part No.	<u>Description</u>
C947 C948 C950,C968,C974,C976 C951 C953,C954	157F-474M-5-GM 157F-105M-5-GM 150F-223K-2-FD 157F-225M-5-GM 153F-272J-5-JM	CE 50V 0.47µF 20% RL 4x7 CE 50V 1µF 20% RL 4x7 CC 50V 0.022µF 10% AT CE 50V 2.2µF 20% RL 4x7 CM 50V 2700PF 5% RL
C959,C960 C961,C962 *AH C961,C962 *C C963,C964 C965 C967 C969 C970 C971 C973 C975 C977 C978,C981 C979 C985 C986 C987 C988,R989 C990 C991 C992	157D-226M-5-GM 153F-272J-5-JM 153F-152J-5-JM 157D-226M-5-GM 153F-272J-5-JM 157D-474M-5-II 157D-476M-5-IM 153F-223J-5-LQ 15CH-080D-5-GG 153F-473J-5-NLM 157D-106M-5-GM 157F-225M-5-GM 150F-223K-2-FD 157D-226M-5-GM 150F-561K-2-FC 157B-107M-5-KM 150F-223K-2-FD 15CH-300J-5-IG 157B-107M-5-KM 153F-102J-5-IM 150F-103K-2-FC	CE 16V 22µF 20% RL 4X7 CM 50V 2700PF 5% RL CM 50V 1500PF 5% RL CE 16V 22µF 20% RL 4X7 CM 50V 2700PF 5% RL CE 16V 0.47µF 20% RL 5x5 CE 16V 47µF 20% RL 5X7 CM 50V 0.022µF 5% RL CTC 0/60 8pF 0.5pF RL CM 50V 0.047µF 5% RL 7.5 CE 16V 10µF 20% RL 4x7 CE 50V 2.2µF 20% RL 4x7 CC 50V 0.022µF 10% AT CE 16V 22µF 20% RL 4X7 CC 50V 560pF 10% AT 3.5x CE 6.3V 100µF 20% RL 6x7 CC 50V 0.022µF 10% AT CTC 0/60 30pF 5% RL 5x4 CE 6.3V 100µF 20% RL 6x7 CM 50V 1000PF 5% RL 5x7 CM 50V 1000PF 5% RL 5x7 CC 50V 0.01µF 10% AT 3.5
DIODE D905	4804-1480-C	DIODE 1N4148 ATS
ZENERS D901 D902	4837-4C20-2 4837-7C20-2	DZ 1/2W 5.0-5.2V AT DZ 1/2W 9.1-9.5V AT
SOCKETS / WAFERS J704B J703B 1003 *AH 1003 *C P901 1002	2101-1601-0 2101-1801-0 2107-0641-0 2107-0681-0 2113-1160-0 2113-1677-0	SOCKET (PCB/PCB) 16P SOCKET (PCB/PCB) 10P ANT-TERMINAL F-TYPE ANT-TERMINAL (DIN-TYPE) WAFER 2P ST. P=2.5 NH 6P RCA JACK R/W NI
COILS L901 L903,L904 L941 L942 L971 L972 L906 *C L905,L908,L985 *AH	1801-220K-M 5600-3386-S 5600-3396-S 5600-3406-S 5600-3280-G 5600-3416-S 1801-101K-M	COIL 22µH 10% AL BL7 COIL MPX LPF NMC-4085 COIL FM DET-1 10.7MHZ COIL FM DET-2 10.7MHZ COIL MW RF BLOCK COIL AM IFT NMIF-4062 COIL 100µH 10% COIL 100µH 10%
CRYSTALS M905 M985	2300-0440-0 2300-1220-0	CRYSTAL 7.2MHZ 20PPM CRYSTAL 4.332MHZ

Reference No.	Part No.	Description
CERAMIC FILTERS		
M902-M904	2701-0010-1	CF10.7 +-30
M911	2701-0680-0	CF 450 +-1
TUNERS		
M901 *AH	1300-0810-0	TUNER ENV16102G1 UL VER
M901 *C	1300-0800-0	TUNER ENV16102GI CE VER
MISCELLANEOUS		
WISCELLANEOUS	4131-7701-0	ANTENNA WASHER
	4131-7701-0	ANTENNA WASHER
TRANSISTORS		
Q902	4851-9230-5	TR 2SC1923-0 HFE 70-140
Q903,Q945	485A-114E-5	TR DTA114ESA ROHM
Q922,Q923,Q942	4860-1590-5	TR 2SC1740S
Q943,Q944	4860-8120-0	TR 2SD 1468 S
RESISTORS	4701 104 1 0	DCE 1/0W 100K F9/ ATC
R340 R341	4701-104J-C 4701-331J-C	RCF 1/8W 100K 5% ATS RCF 1/8W 330R 5% ATS
R342	4701-3313-C 4701-104J-C	RCF 1/8W 100K 5% ATS
R381	4701-331J-C	RCF 1/8W 330R 5% ATS
R382	4701-104J-C	RCF 1/8W 100K 5% ATS
R383	4701-331J-C	RCF 1/8W 330R 5% ATS
R384	4701-104J-C	RCF 1/8W 100K 5% ATS
R385	4701-331J-C	RCF 1/8W 330R 5% ATS
R386	4701-104J-C	RCF 1/8W 100K 5% ATS
R387	4701-331J-C	RCF 1/8W 330R 5% ATS
R388	4701-104J-C	RCF 1/8W 100K 5% ATS
R389	4701-331J-C	RCF 1/8W 330R 5% ATS
R901 *AH R901 *C	4701-332J-C	RCF 1/8W 3.3K 5% ATS RCF 1/8W 33K 5% ATS
R902	4701-333J-C 4701-220J-C	RCF 1/8W 22R 5% ATS
R903 *AH	4701-102J-C	RCF 1/8W 1K 5% ATS
R903 *C	4701-123J-C	RCF 1/8W 12K 5% ATS
R904	4701-331J-C	RCF 1/8W 330R 5% ATS
R905	4701-681J-C	RCF 1/8W 680R 5% ATS
R906	4701-103J-C	RCF 1/8W 10K 5% ATS
R907	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R908	4701-471J-C	RCF 1/8W 470R 5% ATS
R909,R910	4701-331J-C	RCF 1/8W 330R 5% ATS
R911	4701-101J-C	RCF 1/8W 100R 5% ATS RCF 1/8W 33R 5% ATS
R913 R915	4701-330J-C 4701-103J-C	RCF 1/8W 33R 5% ATS RCF 1/8W 10K 5% ATS
R916	4701-103J-C 4701-102J-C	RCF 1/8W 10K 5% ATS
R918	4701-472J-C	RCF 1/8W 4.7K 5% ATS
R919-R924	4701-102J-C	RCF 1/8W 1K 5% ATS
R925	4701-820J-C	RCF 1/8W 82R 5% ATS
R926	4701-820J-C	RCF 1/8W 82R 5% ATS
R927	4701-103J-C	RCF 1/8W 10K 5% ATS
R928	4701-221J-C	RCF 1/8W 220R 5% ATS
R929	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R931	4701-220J-C	RCF 1/8W 22R 5% ATS
R933	4701-103J-C	RCF 1/8W 10K 5% ATS
R942	4701-472J-C	RCF 1/8W 4.7K 5% ATS
R943	4701-822J-C	RCF 1/8W 8.2K 5% ATS

Reference No.	Part No.	<u>Description</u>
R944	4701-104J-C	RCF 1/8W 100K 5% ATS
R945	4701-392J-C	RCF 1/8W 3.9K 5% ATS
R946	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R947,R948	4701-103J-C	RCF 1/8W 10K 5% ATS
R949	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R950	4701-684J-C	RCF 1/8W 680K 5% ATS
R951		RCF 1/8W 1K 5% ATS
	4701-102J-C	
R952,R953	4701-223J-C	RCF 1/8W 22K 5% ATS
R954	4701-103J-C	RCF 1/8W 10K 5% ATS
R955	4701-220J-C	RCF 1/8W 22R 5% ATS
R957,R958	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R959,R960	4701-683J-C	RCF 1/8W 68K 5% ATS
R959,R960	4701-334J-C	RCF 1/8W 330K 5% ATS
R961,R962	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R963,R964	4701-104J-C	RCF 1/8W 100K 5% ATS
R968	4701-102J-C	RCF 1/8W 1K 5% ATS
R971	4701-000J-2	RCF 1/8W 0R 5% AT
R972	4701-103J-C	RCF 1/8W 10K 5% ATS
R973	4701-183J-C	RCF 1/8W 18K 5% ATS
R974	4701-104J-C	RCF 1/8W 100K 5% ATS
R975	4701-333J-C	RCF 1/8W 33K 5% ATS
R975	4701-563J-C	RCF 1/8W 56K 5% ATS
R985-R987	4701-3030-C 4701-102J-C	RCF 1/8W 1K 5% ATS
		RCF 1/8W 0R 5% AT
R991	4701-000J-2	HCF 1/8W UR 5% AT
VOLUMES		
R956	4756-1036-3-06	SVR 10K H3 7X7.6 RH0615C
R941	4756-2236-3-06	SVR 22K H3 7X7.6 RH0615C
1		
ICs		
U901	3130-8180-0	IC LA1837 AM/FM IF
U903	3131-3760-0	IC LC7218 PLL FREQ
U902	3131-9040-0	IC LC72723M RDS
VIDEO ASSEMBLY		
	PCB-N0A00C-VD	VIDEO ASSEMBLY
CAPACITORS		
C401-C405	157D-107M-5-KW	CE 16V 100µF 20% RL 6x12
	157D-107M-5-KW 157D-476M-5-IM	CE 16V 100µF 20% RL 6X12 CE 16V 47µF 20% RL 5X7
C406, C407, C409		
C408, C411	157D-477M-5-SY	CE 16V 470µF 20% RL
C410	157D-476M-5-IM	CE 16V 47µF 20% RL 5X7
C412	157D-108M-5-S5	CE 16V 1000μF 20% RL
DIODES		
D401,D402	4804-1480-C	DIODE 1N4148 ATS
SOCKETS / JACKS		
J714B	2101-1801-0	SOCKET (PCB/PCB) 10P
M403	2113-1316-0	1P RCA JACK YL NI
M402	2113-1775-0	JACK RCA 2P TL NICKEL-
M401	2113-1776-0	JACK RCA 4P YL NICKEL-
TRANSISTORS		
TRANSISTORS Q401-Q403	485C-114E-5	TR DTC114ES
Q404-Q406	485A-933S-5	TR 2SA933S HFE 120-560

Reference No.	Part No.	<u>Description</u>
Q407,Q410	4860-0770-5	TR 2SC2878 (A,B) RL
Q408,Q409,Q411,Q412	485C-114E-5	TR DTC114ES
RESISTORS		
R402	4701-102J-C	RCF 1/8W 1K 5% ATS
R403,R404	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R405-R408	4701-103J-C	RCF 1/8W 10K 5% ATS
R409	4701-203J-C	RCF 1/8W 20K 5% ATS
R410	4701-151J-C	RCF 1/8W 150R 5% ATS
R411-R413	4701-203J-C	RCF 1/8W 20K 5% ATS
R414	4701-151J-C	RCF 1/8W 150R 5% ATS
R415,R416	4701-203J-C	RCF 1/8W 20K 5% ATS
R417	4701-151J-C	RCF 1/8W 150R 5% ATS
R419,R421	4701-102J-C	RCF 1/8W 1K 5% ATS
R424-R427	4701-820J-C	RCF 1/8W 82R 5% ATS
R428,R429	4701-222J-C	RCF 1/8W 2.2K 5% ATS
IC		
U401	3131-4100-0	IC MC14051BCP MOTOROLA
	3131 1133 3	le mer reerzer me rerrezx
ZENERS		
Z401,Z402	4837-7C51-2	DZ 1/2W 7.29~7.67V ROHM
VOLUME ACCEMBLY		
VOLUME ASSEMBLY	PCB-N0A00C-VOL	VOLUME ASSEMBLY
	1 OD-NOAGOO-VOL	V OLOME AGGENIBET
WAFER		
J207B	2102-031R-004	WAFER 3P P2.5 RIGHT
VOLUME		
M301	4750-6000-0	ROTARY ENCODER

NOTE: - The components identified by △ mark are critical for risk of fire and electrical shock. Replace only with part number specified.

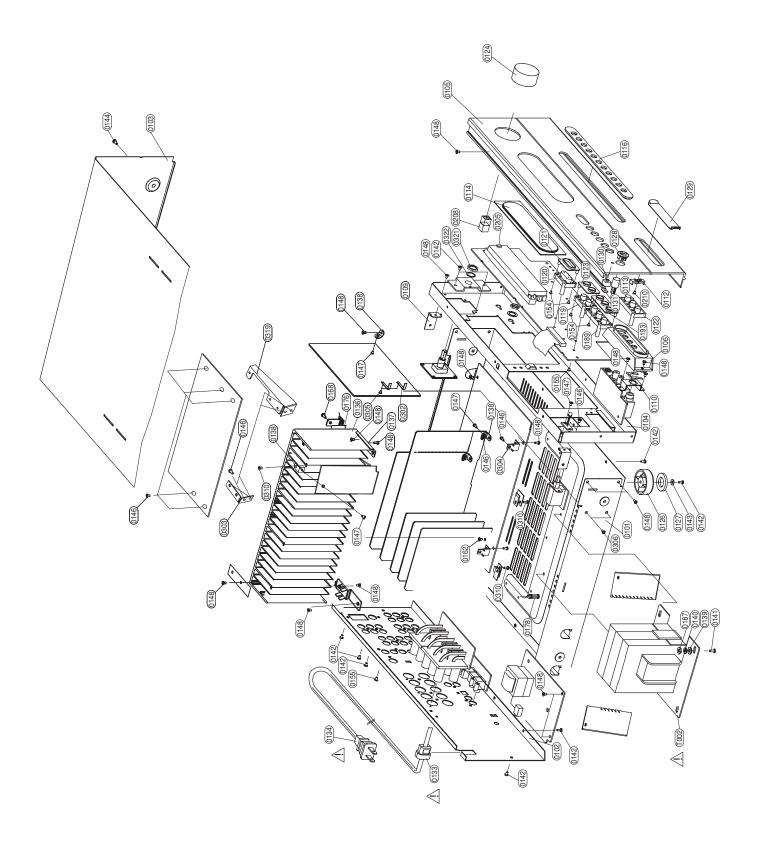
- <*AH > : USA, Canadian model only.

- <*C > : European model only.

- Capacitors: CP-Polystyrene, CM-Mylar, CE-Electrolytic, CC-Ceramic, CTC-NPO.

- Resistors : RMF-Metal Film, RCF-Carbon Film, RWR-Wirewound Metal Oxide.

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

<u>ITEM</u>	Part No.	<u>Description</u>	Qty
0101	1403-5161-1	BOTTOM CHASSIS T-741	1
0102	1403-5173-2	REAR PANEL T-741	1
0103	1403-5183-0	TOP COVER T-741	1
0104	1403-6511-0	SUBFASCIA T-741	1
0105	1403-6381-0	FASCIA T-741	1
0106	4154-0301-0	INPUT BEZEL T-760	1
0109	4134-9051-0	BRACKET ANGLE	2
0110	4134-9061-0	BRACKET PHONES	1
0112	4154-0311-0	DUMMY CLAMP	1
0113	2444-1601-0	POWER BUTTON GREEN LONG	1
0114	3716-4401-0	WINDOW LENS	1
0116	4152-4341-0	INPUT BUTTON LOZENGE	1
0119	2444-1901-0	DUO BUTTON T-760	1
0120	2444-1301-1	BUTTON RACKER (NICKEL)	1
0121	4154-0091-0	BEZEL RACKER (NICKEL)	1
0122	2444-2101-0	INPUT BUTTON	4
0123	4154-0411-0	BEZEL DUO	1
0124	2444-6001-0	KNOB VOLUME T-741	1
0126	4152-4631-0	RUBBER FOOT (522) 14MM	4
0127	4152-4641-0	CUSHION FOOT (522)	4
0128	4152-4331-0	POWER BUTTON BEZEL	1
0129	4154-0331-0	VIDEO COVER T-760	1
0130	4152-1701-0	LED BEZEL (117)	0.5
0131	3714-5706-0	LED LENS (412) CLEAR SAN	1
0133 🛆	4152-3851-0	SQ. STRAIN RELIEF	1
0134 🛆	7009-3110-0	AC CORD (SEMKO)	1
0136	5400-9052-0	HEAT SINK T-741	1
0137	4134-0121-0	BRACKET, HTSK MOUNT	2
0138	4152-0451-0	L-BRACKET	4
0139	2600-4008-0973	FLAT WASHER M4X0.8X9.7	4
0140	2607-4010-0703	SPRING WASHER M4X1X7 BZ	4
0141	2904-4010-3000	SCREW M4X10 (BLK)	4
0142	2954-3008-3000	T3X8MM SELF TAPPING	38
0143	2842-3367-0	METAL WASHER	4
0144	2900-4006-3010	M4X0.5PX6MM W/FLAT	6

<u>ITEM</u>	Part No.	<u>Description</u>	<u>Qty</u>
0146	2904-3008-0000	M3X8MM BINDING HEAD	15
0147	2954-3006-0000	3X6MM B-TITE (YEL.ZN)	5
0148	2954-3008-0000	TAPPING 3X8MM B-TITE	34
0154	2954-2606-3000	SCREW BH 2.6X6 BLACK	9
0155	2954-2608-3000	SCREW BT 2.6X8 BLACK	19
0162	2904-3006-0000	SCREW M3X6	1
0168	2900-3010-3030	SCREW M3X10 W/S&F	11
0176	3100-3211-0	SILICON SHEET (26X20MM)	10
0178	4152-5831-0	PCB SUPPORT 12MM HIGH	1
0187	2640-4030-0703	M4 NUT (BLK)	4
0187	4135-1641-0	BRACKET HEATSINK	2
0188	4153-9291-0	FOAM 60X13X5 W/TAPE	4
0189	2444-1201-0	BUTTON TRIO (NICKEL)	1
0193	4154-0031-0	BEZEL TRIO (NICKEL)	1
0201	6360-0012-0	PLASTIC CABLE TIE (BLK)	13
0204	2601-2608-0601	FIBRE WASHER M2.6 0.8T	3
0205	4152-3291-1	FOAM 6X4X1.5T MM	1
0208	4152-1161-0	FOAM RUBBER 10X10X10 BK	2
0210	2954-2006-0000	TAPPING SCREW 2X6	6
0220	2600-4508-0980	WASHER M4.5 0.8T 0D=9.8	1
0302	4133-2090-0	2204-3 MTG BKT	2
0303	4132-4361-1	MOUNTING BKT -AMP NK110C	1
0304	4134-2461-0	HEAT SINK MOUNTING BKT	2
0305	2904-2606-0000	M.SCREW M2.6X6 BH YZ.	2
0306	2904-2606-0000	M.SCREW M2.6X6 BH YZ.	2
0311	4135-1651-0	BRACKET PCB-AMP2	1
0316	2954-3008-0000	TAPPING 3X8MM B-TITE	2
0319	4135-1791-0	BRACKET VOLUME T741	1
0321	2640-9020-1203	M9 NUT (BLK)	1
0322	2600-9005-1403	M9 WASHER BK ZINC	1
T002 🛆	1806-2441-0	TRANSFORMER FOR T-741	1

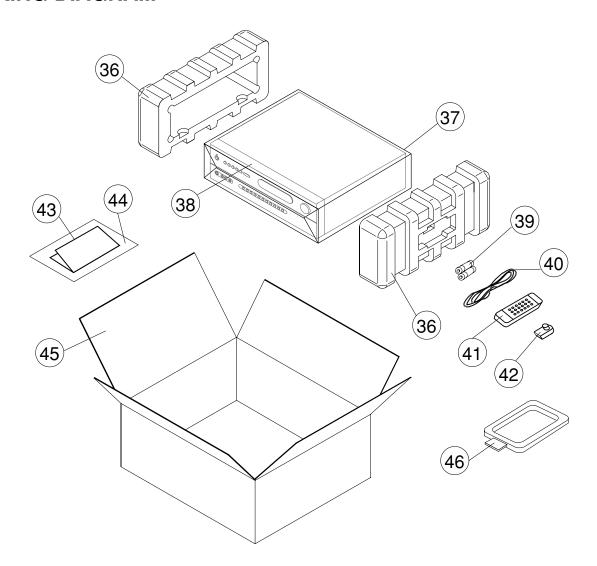
NOTE:

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- <*AH > : USA, Canadian model only.

- <*C > : European model only.

PACKING DIAGRAM



ITEM	PART NO.	DESCRIPTION	Q'TY
36	1490-3584-2	POLYFORM ENDCAP	2
37	1497-1072-4	UNIT POLYBAG	1
38	1497-1162-0	FASCIA COVER	1
39	4060-0530-0	BATTERIES	2
40	2107-0661-1	300 OHM T ANTENNA	1
41	8912-0001-0	REMOTE CONTROL HANDSET	1
42	2103-6101-0	RF CONNECTOR PLUG	1
43	4301-4157-0	OWNER'S MANUAL	1
44	1497-1062-0	MANUAL POLYBAG	1
45	1480-2000-0	CARTON BOX	1
46	2113-1155-0	AM LOOP ANTENNA	1

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S **ERVICE** MANUAL

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T 741
SURROUND
SOUND RECEIVER

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